





SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 1 of 148

FCC SAR TEST REPORT

Application No.: SZCR2302000352AT(FYCR2302000045AT)

Applicant: PAX Technology Limited

Address of Applicant: Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour, Hong Kong, China

Manufacturer: PAX Computer Technology (Shenzhen) Co., Ltd.

401 and 402, Building 3, Shenzhen Software Park, Nanshan District, Address of Manufacturer:

Shenzhen City, Guangdong Province, P.R.C

Product Name: Smart Handheld Computer

Model No.(EUT): A6650 Trade Mark: PAX

FCC ID: V5PA6650

FCC 47CFR §2.1093 Standard(s):

2023-04-18 Date of Receipt:

2023-04-18 to 2023-05-06 **Date of Test:**

Date of Issue: 2023-05-09

Test Result: Pass*

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

Keny. Ku

Keny Xu **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 findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"

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 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 2 of 148

Revision Record			
Version	Description	Date	Remark
00	Original	2023-05-09	1

Authorized for issue by:		
	Owen Xiao	
	Owen Xiao / 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/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 is instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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@as.com"

or email: CN_Docheck@36.com |Mt.|Wdsibs_Uhl_MideSedus_Sozes [Bendingly Rayl Rendan District, Sherzbet, Guapqiong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.s.gsgroup.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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 3 of 148

TEST SUMMARY

Frequency Band	Maximum Reported SAR(W/kg)	
	Body	Extremity
LTE Band 2	0.23	0.37
LTE Band 4	0.73	1.12
LTE Band 5	0.40	0.55
LTE Band 7	0.61	0.90
LTE Band 12	0.16	0.31
LTE Band 13	0.23	0.53
LTE Band 14	0.22	0.48
LTE Band 17	0.16	0.24
LTE Band 25	0.46	0.92
LTE Band 26a	0.43	0.50
LTE Band 26b	0.40	0.49
LTE Band 41	0.13	0.21
LTE Band 66	0.76	1.03
LTE Band 71	0.10	0.27
WI-FI (2.4GHz)	0.20	0.36
Bluetooth	0.06	0.24
WI-FI (5GHz)	0.74	0.57
SAR Limited(W/kg)	1.6	4
Maximum Simultaneous Transmission SAR (W/kg)		
Scenario	Body	Extremity
Sum SAR	1.50	1.69
SPLSR	N/A	N/A
SPLSR Limited	0.04	0.1



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 is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

or email: CN. Doccheck@sgs.com |Nt | Winkingh, M. |Nt | Mische (Sectors | Endougher | M. Indische (Sectors | Endougher | M. Indische (Sectors | M. Indische (Sectors | Endougher | M. Indische (Sectors | M.



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 4 of 148

CONTENTS

1	GENERAL INFORMATION	
	1.1 GENERAL DESCRIPTION OF EUT	6
	1.1.1 DUT Antenna Locations	
	1.2 Test Specification	
	1.3 RF EXPOSURE LIMITS	
	1.4 TEST LOCATION	
	1.5 TEST FACILITY	11
2	LABORATORY ENVIRONMENT	12
3	SAR MEASUREMENTS SYSTEM CONFIGURATION	13
;	3.1 THE SAR MEASUREMENT SYSTEM	13
;	3.2 ISOTROPIC E-FIELD PROBE EX3DV4	15
	3.3 DATA ACQUISITION ELECTRONICS (DAE)	16
	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	
	3.7.3 Data Evaluation by SEMCAD	
4	SAR MEASUREMENT VARIABILITY AND UNCERTAINTY	23
	4.1 SAR MEASUREMENT VARIABILITY	23
	4.2 SAR MEASUREMENT UNCERTAINTY	24
5	DESCRIPTION OF TEST POSITION	26
	5.1 EXTREMITY EXPOSURE CONDITIONS	26
6	SAR SYSTEM VERIFICATION PROCEDURE	27
	6.1 TISSUE SIMULATE LIQUID	
	6.1.1 Recipes for Tissue Simulate Liquid	
	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	
	6.2.2 Summary System Check Result(s)	
	6.2.3 Detailed System Check Results	
	6.2.4 Wi-Fi Test Configuration	
	6.2.6 BluetoothTest Configuration	
_	ü	
7	TEST RESULT	42



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 is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

or email: CN. Doccheck@sqs.com No.1 Workshop, Nr.10, Middle Section, Science & Technology Part, Narshan District, Shenzhien, 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株1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 5 of 148

7	′.1 N	NEASUREMENT OF RF CONDUCTED POWER	42
	7.1.1	Conducted Power Of LTE	42
	7.1.2	Conducted Power Of Wi-Fi	67
	7.1.3	Conducted Power Of BT	70
7	'.2 N	MEASUREMENT OF SAR DATA	71
	7.2.1	SAR Result Of LTE Band 2	72
	7.2.2	SAR Result Of LTE Band 4	73
	7.2.3	SAR Result Of LTE Band 5	74
	7.2.4	SAR Result Of LTE Band 7	
	7.2.5	SAR Result Of LTE Band 12	
	7.2.6	SAR Result Of LTE Band 13	
	7.2.7	SAR Result Of LTE Band 14	
	7.2.8	SAR Result Of LTE Band 17	
	7.2.9	SAR Result Of LTE Band 25	
	7.2.10		
	7.2.11		
	7.2.12		
	7.2.13		
	7.2.14	o	
	7.2.15		
	7.2.16		
	7.2.17		
7		MULTIPLE TRANSMITTER EVALUATION	
	7.3.1	Simultaneous SAR SAR test evaluation	90
8	EQUIF	PMENT LIST	94
9	CALIB	BRATION CERTIFICATE	Q.E
3	OALID		
10	PHOT	OGRAPHS	96
API	PENDIX	A: DETAILED SYSTEM CHECK RESULTS	97
API	PENDIX	B: DETAILED TEST RESULTS	107
API	PENDIX	C: CALIBRATION CERTIFICATE	148
ΔΡΙ	PENDIY	D: PHOTOGRAPHS	148



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 is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

|Mo.1 Hifrishop, Hrill, Middle Sedon, Science & Bedinology Part, Nanshan District, Sherzhen, Guargdong, China 518057 tt (86-755) 26012053 ft (86-755) 26710594 www.s.gsgroup.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 tt (86-755) 26012053 ft (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 6 of 148

1 General Information

1.1 General Description of EUT

Product Phase:	Production unit			
Device Type :	Portable device			
Exposure Category:	Uncontrolled environment / general population			
SN:	2750000172			
Hardware Version:	A6650			
Software Version:	V0.0.0.1			
Antenna Gain:	BT/2.4G WIFI antenna gain:-0.22dBi 5G WIFI antenna gain:3.01dBi B2: -1.4dBi; B4: -1.64dBi; B5: -2.9dBi; B7: -0.42dBi; B12: -3.63dBi; B13: -1.33dBi; B14: -1.49dBi; B17: -3.63dBi; B25: -1.28dBi; B26: - 2.7dBi; B41: -0.42dBi; B66: -1.64dBi; B71: -4.78dBi			
Antenna Type:	FPC antenna			
Device Operating Configurations	<u> </u>			
Modulation Mode:	LTE:QPSK,16QAM,6 WIFI: CCK, DSSS, O	4QAM; FDM;BT: GFSK, π/4DQPS	K, 8DPSK	
wodulation wode.		1, tested with power control Max Power (LTE Band 2/4/5/7/12/13/14/17/25/26/41/66/71)		
	Band	Tx (MHz)	Rx (MHz)	
	LTE Band 2	1850-1910	1930-1990	
	LTE Band 4	1710-1755	2110- 2155	
	LTE Band 5	824-849	869-894	
	LTE Band 7	2500-2570	2620- 2690	
	LTE Band 12	699-716	729-746	
	LTE Band 13	777-787	746-756	
	LTE Band 14	788-798	758-768	
	LTE Band 17	704-716	734-746	
Fraguesey Bandar	LTE Band 25	1850-1915	1930-1995	
Frequency Bands:	LTE Band 26	814-849	859-894	
	LTE Band 41	2496-2690	2496-2690	
	LTE Band 66	1710~1780	2110~2180	
	LTE Band 71	617-652	663-698	
	WIFI2.4G	2412-2462	2412-2462	
	BT	2402-2480	2402-2480	
	WIFI(U-NII-1)	5150~5250	5150~5250	
	WIFI(U-NII-2A)	5250~5350	5250~5350	
	WIFI(U-NII-2C)	5470~5725	5470~5725	
	VVIFI(U-IVII-2C)	3470~3723	3470~3723	



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 is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

or email: CN. Doccheck@sgs.com |Nt | Winkingh, M. |Nt | Mische (Sectors | Endougher | M. Indische (Sectors | Endougher | M. Indische (Sectors | M. Indische (Sectors | Endougher | M. Indische (Sectors | M.



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 7 of 148

	Model:	IDS152GA
	Normal Voltage:	DC3.7V
Battery Information:	Rated capacity:	5400mAh
battery information.	Battery Type:	Rechargeable Li-ion Battery
	Manufacturer:	ICON ENERGY SYSTEM (SHENZHEN) 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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 8 of 148

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 since at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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: CAI. Doccheck@sgs.com

|Mo.1 Hifrishop, Hrill, Middle Sedon, Science & Bedinology Part, Nanshan District, Sherzhen, Guargdong, China 518057 tt (86-755) 26012053 ft (86-755) 26710594 www.s.gsgroup.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 tt (86-755) 26012053 ft (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 9 of 148

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 248227 D01 v02r02	SAR GUIDANCE FOR IEEE 802.11 (Wi-Fi) TRANSMITTERS
KDB 941225 D05 v02r05	SAR EVALUATION CONSIDERATIONS FOR LTE DEVICES
KDB 941225 D06 v02r01	SAR EVALUATION PROCEDURES FOR PORTABLE DEVICES WITH WIRELESS ROUTER CAPABILITIES
KDB 865664 D01 v01r04	SAR Measurement Requirements for 100 MHz to 6 GHz
KDB 865664 D01 v01r02	RF Exposure Compliance Reporting and Documentation Considerations



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 is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

or email: CN. Doccheck@sgs.com
| Mil Mirishpi, Mirishpi, Mil Mirishpi, Mil Mirishpi, Mil Mirishpi, Mil Mirishpi, Mil Mirishpi, Mil Mirishpi,



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 10 of 148

1.3 RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational	
Spatial Peak SAR*	1.60 W/kg	8.00 W/kg	
(Brain*Trunk)	1.00 W/kg	0.00 W/kg	
Spatial Average SAR**	0.08 \\/\/ka	0.40 W/kg	
(Whole Body)	0.08 W/kg	0.40 W/kg	
Spatial Peak SAR***	4.00 W/kg	20.00 \\//\ca	
(Hands/Feet/Ankle/Wrist)	4.00 W/kg	20.00 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.



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 11 of 148

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.





SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 12 of 148

2 Laboratory Environment

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. 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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

|Mo.1 Hifrishop, Hrill, Middle Sedon, Science & Bedinology Part, Nanshan District, Sherzhen, Guargdong, China 518057 tt (86-755) 26012053 ft (86-755) 26710594 www.s.gsgroup.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 tt (86-755) 26012053 ft (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 13 of 148

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.

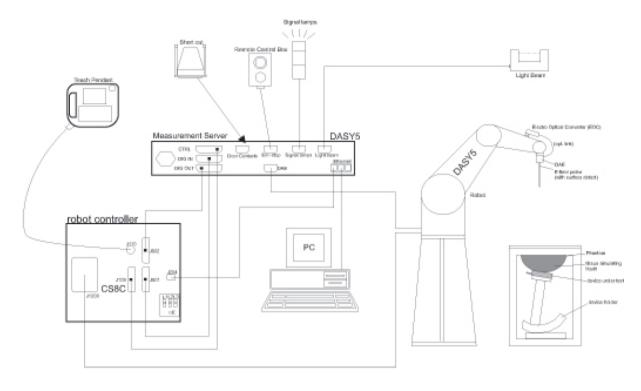




SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 14 of 148



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 solide 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@ass.com

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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 15 of 148

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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

|Mo.1 Hifrishop, Hrill, Middle Sedon, Science & Bedinology Part, Nanshan District, Sherzhen, Guargdong, China 518057 tt (86-755) 26012053 ft (86-755) 26710594 www.s.gsgroup.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 tt (86-755) 26012053 ft (86-755) 26710594 sgs.china@sgs.com



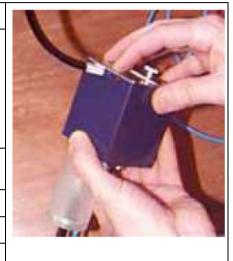
SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 16 of 148

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 (incl. Wooden Support)	Length: 1000 mm 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,

|Mat1Norlatin。|Nat ||Norlatin。|Nation ||Nation ||Nation



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 17 of 148

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.





SZEMC-TRF-01 Rev. A/0 Aug01.2022

Report No.: SZCR230200035201

Page: 18 of 148

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.





SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 19 of 148

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.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 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) 83071443,



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 20 of 148

				-		
			≤3 GHz	> 3 GHz		
Maximum distance from (geometric center of pr		•	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 resolu	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	patial 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		
surface	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 since at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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: CAI. Doccheck@sgs.com

or email: CN. Doccheck@sgs.com |Nt | Winkingh, M. |Nt | Mische (Sectors | Endougher | M. Indische (Sectors | Endougher | M. Indische (Sectors | M. Indische (Sectors | Endougher | M. Indische (Sectors | M.

^{*} 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.



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 21 of 148

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 p

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 Client's fany. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction form exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. 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@sgs.com

\[
\begin{align*}
\text{Workshop, \text{\text{M-IN}} \text{\text{Moltshop, \text{\text{\text{Moltshop, \text{\text{Moltshop, \text{\text{\text{Moltshop, \text{\text{Moltshop, \text{\text{\text{Moltshop, \text{



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 22 of 148

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 findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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) 83071443.



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 23 of 148

4 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 \geq 1.45 W/kg (\sim 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.





SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 24 of 148

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.

Measurement uncertainty evaluation										
Α	b1	С	d	e=f(d,K)	f	g	i=C*g/e	i=C*g/e	k	
Uncertainty Component	Section in P1528	Tol (%)	Prob. Dist	Div.	C _{i (1g)}	Ci (10g)	1-g ui(%)	10-g ui(%)	Vi (Veff)	
Measurement System										
Probe Calibration (k=1)	E.2.1	6.3	N	1	1	1	6.30	6.30	∞	
Axial Isotropy	E.2.2	0.5	R	√3	0.7	0.7	0.20	0.20	∞	
Hemispherical Isotropy	E.2.2	2.6	R	√3	0.7	0.7	1.06	1.06	8	
Boundary Effect	E.2.3	1.0	R	√3	1	1	0.58	0.58	8	
Linearity	E.2.4	0.6	R	√3	1	1	0.35	0.35	8	
System Detection LimitS	E.2.4	0.25	R	√3	1	1	0.14	0.14	∞	
Modulation Response	E.2.5	2.4	R	√3	1	1	1.39	1.39	∞	
Readout Electronics	E.2.6	0.3	N	1	1	1	0.30	0.30	∞	
Response Time	E.2.7	0.0	R	√3	1	1	0.00	0.00	∞	
Integration Time	E.2.8	2.6	R	√3	1	1	1.50	1.50	∞	
RF Ambient Condition- Noise	E.6.1	3.0	R	√3	1	1	1.73	1.73	8	
RF Ambient Condition- Reflections	E.6.1	3.0	R	√3	1	1	1.73	1.73	∞	
Probe Positioning- Mechanical Tolerance	E.6.2	1.5	R	√3	1	1	0.87	0.87	∞	
Probe Positioning-with Respect to Phantom	E.6.3	2.9	R	√3	1	1	1.67	1.67	∞	
Max. SAR Evaluation	E.5	1.0	R	√3	1	1	0.58	0.58	∞	
Test sample Related					l .			•	l .	
Test sample Positioning	E.4.2	3.7	N	1	1	1	3.70	3.70	9	
Device Holder Uncertainty	E.4.1	3.6	N	1	1	1	3.60	3.60	∞	
Output Power Variation- SAR Drift Measurement	E.2.9	5	R	√3	1	1	2.89	2.89	∞	
Output Power Variation- SAR Drift Measurement	E.6.5	0	R	√3	1	1	0.00	0.00	∞	
Phantom and Tissue Para	meters		•	•	I.				I.	
Phantom Uncertainty(Shape and Thickness Tolerances)	E.3.1	4	R	√3	1	1	2.31	2.31	∞	
SAR Correction	E.3.2	1.9	N	1	1	0.84	1.90	1.60	∞	
Liquid Conductivity (Measurement Uncertainty)	E.3.3	3.75	N	1	0.78	0.71	2.93	2.663	5	
Liquid Permittivity (Measurement Uncertainty)	E.3.3	1.62	N	1	0.23	0.26	0.37	0.421	5	
Liquid Conductivity (Temperature Uncertainty)	E.3.4	4.2	R	√3	0.78	0.71	1.89	1.72	∞	



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 since at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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: CAI. Doccheck@sgs.com

|Mo.11Mortshop, N-0, Middle Section, Science & Technology Part, Nanshan District, Sherzhen, Guargdong, Chine 5 18057 t (86-755) 26012053 f (86-755) 26710594 www.s.gsgroup.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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 25 of 148

Liquid Permittivity ((Temperature Uncertainty)	E.3.4	3.7	R	√3	0.23	0.26	0.49	0.56	∞
Combined Standard Uncertainty				RSS			10.58	10.43	430
Expanded Uncertainty (95% Confidence Interval)				k=2			21.16%	20.87%	



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 is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

or email: CN. Doccheck@sgs.com |Nt | Winkingh, M. |Nt | Mische (Sectors | Endougher | M. Indische (Sectors | Endougher | M. Indische (Sectors | M. Indische (Sectors | Endougher | M. Indische (Sectors | M.



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 26 of 148

5 Description of Test Position

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 post-processing 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.



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,



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 27 of 148

6 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	50	83	35	915		1900		2450		
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 findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prover written approval of the Company. Any unauthorized alteration, forgery 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, **Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 28 of 148

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	ead	Body			
(MHz)	8 _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		

 $(\varepsilon_r = \text{relative permittivity}, \sigma = \text{conductivity and } \rho = 1000 \text{ kg/m}^3)$



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 findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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,



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 29 of 148

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 E5071B Network Analyzer (300 KHz-8500 MHz). The Conductivity (σ) and Permittivity (ρ) 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												
Tissue Type	Measured Frequency (MHz)	Conductivity (σ)	Permittivity (ε _r)	Conductivity Target (σ)	Permittivity Target (ε _r)	Delta (σ) (%)	Delta (ε _r) (%)	Limit (%)	Liquid Temp. (°C)	Date			
750 Head	750	0.902	42.012	0.89	41.90	1.35	0.27	±5	22.1	2023/4/24			
835 Head	835	0.916	42.052	0.90	41.50	1.78	1.33	±5	22.1	2023/4/27			
1800 Head	1800	1.383	39.873	1.40	40.00	-1.21	-0.32	±5	22.2	2023/5/4			
1900 Head	1900	1.410	40.095	1.40	40.00	0.71	0.24	±5	22.3	2023/5/6			
2450 Head	2450	1.817	39.995	1.80	39.20	0.94	2.03	±5	22	2023/4/18			
2600 Head	2600	1.967	39.725	1.96	39.00	0.36	1.86	±5	22.1	2023/4/22			
5250 Head	5250	4.659	35.855	4.71	35.95	-1.08	-0.26	±5	22.2	2023/4/19			
5600 Head	5600	5.038	34.807	5.07	35.50	-0.63	-1.95	±5	22.2	2023/4/20			
5750 Head	5750	5.229	35.406	5.22	35.35	0.17	0.16	±5	22.2	2023/4/21			



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 since at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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: CAI. Doccheck@sgs.com



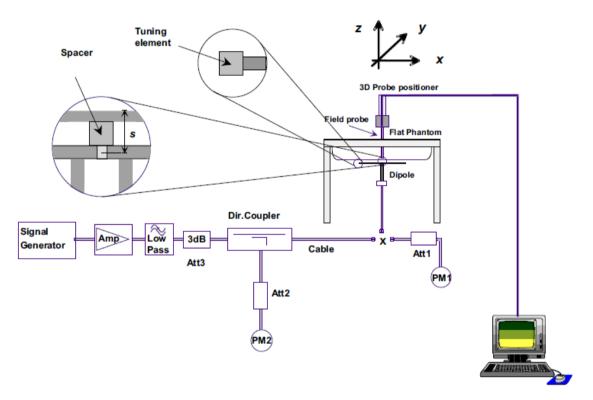
SZEMC-TRF-01 Rev. A/0 Aug01.2022

Report No.: SZCR230200035201

30 of 148 Page:

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-3. 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 sinders at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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. of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Sherizhen, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 31 of 148

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.





SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 32 of 148

6.2.2 Summary System Check Result(s)

	SAR System Validation Result(s)																				
Validation Kit		Measured SAR 250mW	Measured SAR 250mW	Measured SAR (normalized to 1w)	Measured SAR (normalized to 1w)	Target SAR (normalized to 1w) (±10%)	Target SAR (normalized to 1w) (±10%)	Deviation (Within ±10%)												Liquid Temp. (°C)	Measured 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)	10- g(W/kg)	(0)											
D750V2	Head	2.06	1.36	8.24	5.44	8.23	5.41	0.12%	0.55%	22.1	2023/4/24										
D835V2	Head	2.36	1.58	9.44	6.32	9.41	6.25	0.32%	1.12%	22.1	2023/4/27										
D1800V2	Head	9.88	5.19	39.52	20.76	38.4	20.2	2.92%	2.77%	22.2	2023/5/4										
D1900V2	Head	10.1	5.19	40.4	20.76	39.7	20.5	1.76%	1.27%	22.3	2023/5/6										
D2450V2	Head	13.1	6.12	52.4	24.48	53	24.6	-1.13%	-0.49%	22	2023/4/18										
D2600V2	Head	14.4	6.33	57.6	25.32	56.2	25	2.49%	1.28%	22.1	2023/4/22										
Vali	Validation Kit		Measured SAR 100mW	Measured SAR (normalized to 1w)	Measured SAR (normalized to 1w)	Target SAR (normalized to 1w) (±10%)	Target SAR (normalized to 1w) (±10%)	(Within ±10%)		lized Deviation v) (Within ±10%)		Liquid Temp. (℃)	Measured 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)	10- g(W/kg)												
	Head(5.25GHz)	7.73	2.16	77.3	21.6	77.7	22.4	-0.51%	-3.57%	22.2	2023/4/19										
D5GHzV2	Head(5.6GHz)	8.33	2.41	83.3	24.1	81.2	23.5	2.59%	2.55%	22.2	2023/4/20										
	Head(5.75GHz)	8.14	2.33	81.4	23.3	78.9	22.7	3.17%	2.64%	22.2	2023/4/21										

6.2.3 Detailed System Check Results

Please see the Appendix A



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 since at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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: CAI. Doccheck@sgs.com

|Mo.11Mortshop, N-0, Middle Section, Science & Technology Part, Nanshan District, Sherzhen, Guargdong, Chine 5 18057 t (86-755) 26012053 f (86-755) 26710594 www.s.gsgroup.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



SZEMC-TRF-01 Rev. A/0 Aug01.2022

Report No.: SZCR230200035201

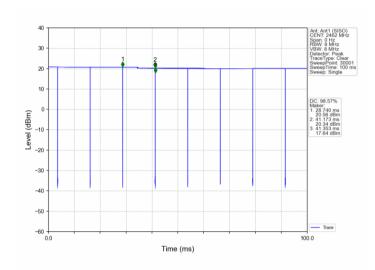
33 of 148 Page:

6.2.4 Wi-Fi Test Configuration

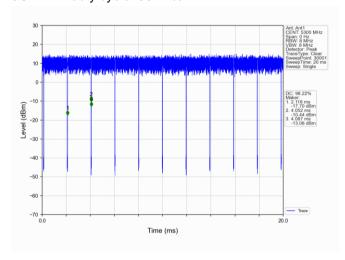
A Wi-Fi device must be configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools for SAR measurement.

6.2.4.1 Duty cycle

2.4GWLAN duty cycle: 98.57%



5GWLAN duty cycle: 98.22%





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 since at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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: CAI. Doccheck@sgs.com

No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 34 of 148

6.2.4.2 Initial Test Position SAR Test Reduction Procedure

DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures. The initial test position procedure is described in the following:

- When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other (remaining) test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band. SAR is also not required for that exposure configuration in the subsequent test configuration(s).
- 2) .When the reported SAR of the initial test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position using subsequent highest extrapolated or estimated 1-g SAR conditions determined by area scans or next closest/smallest test separation distance and maximum RF coupling test positions based on manufacturer justification, on the highest maximum output power channel, until the reported SAR is ≤ 0.8 W/kg or all required test positions (left, right, touch, tilt or subsequent surfaces and edges) are tested.
- 3) . For all positions/configurations tested using the initial test position and subsequent test positions, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested. a) Additional power measurements may be required for this step, which should be limited to those necessary for identifying the subsequent highest output power channels.

6.2.4.3 Initial Test Configuration Procedures

An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. For configurations with the same specified or measured maximum output power, additional transmission mode and test channel selection procedures are required. SAR test reduction for subsequent highest output test channels is determined according to *reported* SAR of the initial test configuration.

For next to the ear, hotspot mode and UMC mini-tablet exposure configurations where multiple test positions are required, the initial test position procedure is applied to minimize the number of test positions required for SAR measurement using the initial test configuration transmission mode. For fixed exposure conditions that do not have multiple SAR test positions, SAR is measured in the transmission mode determined by the initial test configuration.

When the *reported* SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for subsequent next highest measured output power channel(s) in the initial test configuration until *reported* SAR is ≤ 1.2 W/kg or all required channels are tested.

6.2.4.4 Subsequent Test Configuration Procedures

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The



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"



SZEMC-TRF-01 Rev. A/0 Aug01.2022

Report No.: SZCR230200035201

Page: 35 of 148

initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.

- 1) . When SAR test exclusion provisions of KDB Publication 447498 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
- 2) . When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.
- 3) . The number of channels in the initial test configuration and subsequent test configuration can be different due to differences in channel bandwidth. When SAR measurement is required for a subsequent test configuration and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel. This step requires additional power measurement to identify the highest maximum output power channel in the subsequent test configuration to determine SAR test reduction.
 - a) SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.
 - SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the reported SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is > 1.2 W/kg or until all required channels are tested. i) For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.
- 4) . SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration (highest maximum output) or subsequent test configuration(s) (subsequent next highest maximum output power) is determined by recursively applying the subsequent test configuration procedures in this section to the remaining configurations according to the following:
 - replace "subsequent test configuration" with "next subsequent test configuration" (i.e., subsequent next highest specified maximum output power configuration)
 - replace "initial test configuration" with "all tested higher output power configurations"

6.2.4.5 2.4 GHz Wi-Fi SAR Procedures

Separate SAR procedures are applied to DSSS and OFDM configurations in the 2.4 GHz band to simplify DSSS test requirements. For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions. When SAR measurement is required for an OFDM configuration, the initial test configuration, subsequent test configuration and initial test position procedures are applied. The SAR test exclusion requirements for 802.11g/n OFDM configurations are described in following.

• 802.11b DSSS SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

1) . When the reported SAR of the highest measured maximum output power channel for the exposure



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"

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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 36 of 148

configuration is \leq 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

2) . When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

• 2.4 GHz 802.11g/n OFDM SAR Test Exclusion Requirements

When SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations, the measurement and test reduction procedures for OFDM are applied (section 5.3, including sub-sections). SAR is not required for the following 2.4 GHz OFDM conditions.

- 1) . When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration.
- 2) . When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

6.2.4.6 5 GHz Wi-Fi SAR Procedures

• U-NII-1 and U-NII-2A Bands

For devices that operate in only one of the U-NII-1 and U-NII-2A bands, the normally required SAR procedures for OFDM configurations are applied. For devices that operate in both U-NII bands using the same transmitter and antenna(s), SAR test reduction is determined according to the following:

- 1) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. If the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition); otherwise, both bands are tested independently for SAR.
- 2) When different maximum output power is specified for the bands, begin SAR measurement in the band with higher specified maximum output power. The highest reported SAR for the tested configuration is adjusted by the ratio of lower to higher specified maximum output power for the two bands. When the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for the band with lower maximum output power in that test configuration; otherwise, both bands are tested independently for SAR.
- 3) The two U-NII bands may be aggregated to support a 160 MHz channel on channel number 50. Without additional testing, the maximum output power for this is limited to the lower of the maximum output power certified for the two bands. When SAR measurement is required for at least one of the bands and the highest reported SAR adjusted by the ratio of specified maximum output power of aggregated to standalone band is > 1.2 W/kg, SAR is required for the 160 MHz channel. This procedure does not apply to an aggregated band with maximum output higher than the standalone band(s); the aggregated band must be tested independently for SAR. SAR is not required when the 160 MHz channel is operating at a reduced maximum power and also qualifies for SAR test exclusion.

U-NII-2C and U-NII-3 Bands

The frequency range covered by these bands is 380 MHz (5.47 - 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. when Terminal Doppler Weather Radar (TDWR) restriction applies, all channels that operate at 5.60 - 5.65 GHz must be included to apply the SAR test reduction and measurement procedures.

When the same transmitter and antenna(s) are used for U-NII-2C band and U-NII-3 band or 5.8 GHz band of §15.247, the bands may be aggregated to enable additional channels with 20, 40 or 80 MHz bandwidth to span across the band gap, as illustrated in Appendix B. The maximum output power for the additional band gap



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. Docheck@sqs.com (N. (Winshop, N. N. Midle Section, Section Retainable) print, Nembran District, Sherzban, Guengtong, China 518057 tt (88-755) 26012053 ft (88-755) 26710594 www.s.gsgroup.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 tt (88-755) 26012053 ft (88-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 37 of 148

channels is limited to the lower of those certified for the bands. Unless band gap channels are permanently disabled, they must be considered for SAR testing. The frequency range covered by these bands is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. To maintain SAR measurement accuracy and to facilitate test reduction, the channels in U-NII-2C band above 5.65 GHz may be grouped with the 5.8 GHz channels in U-NII-3 or §15.247 band to enable two SAR probe calibration frequency points to cover the bands, including the band gap channels. When band gap channels are supported and the bands are not aggregated for SAR testing, band gap channels must be considered independently in each band according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements

The initial test configuration for 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. SAR for the initial test configuration is measured using the highest maximum output power channel determined by the default power measurement procedures. When multiple configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined according to the following steps applied sequentially.

- The largest channel bandwidth configuration is selected among the multiple configurations with the same specified maximum output power.
- If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
- 3) If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
- When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n. After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following. These channel selection procedures apply to both the initial test configuration and subsequent test configuration(s), with respect to the default power measurement procedures or additional power measurements required for further SAR test reduction. The same procedures also apply to subsequent highest output power channel(s) selection.
 - a) The channel closest to mid-band frequency is selected for SAR measurement.
 - For channels with equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

SAR Test Requirements for OFDM configurations

When SAR measurement is required for 802.11 a/n/ac OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. When the same transmitter and antenna(s) are used for U-NII-1 and U-NII-2A bands, additional SAR test reduction applies. When band gap channels between U-NII-2C band and 5.8 GHz U-NII-3 or §15.247 band are supported, the highest maximum output power transmission mode configuration and maximum output power channel across the bands must be used to determine SAR test reduction, according to the initial test configuration and subsequent test configuration requirements. In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the



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"



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 38 of 148

procedures.



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 is structions, if any. The Company's ose 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 festing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com").

or email: CN. Doccheck@sgs.com
| Mil (Mirkshp), M



SZEMC-TRF-01 Rev. A/0 Aug01.2022

Report No.: SZCR230200035201

Page: 39 of 148

6.2.5 LTE Test Configuration

LTE modes were tested according to FCC KDB 941225 D05 publication. Please see notes after the tabulated SAR data for required test configurations. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. 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.

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 V13.5.0 (201609) Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

Modulation	Cha	nnel bandw	idth / Tra	ansmission	bandwidth ((N _{RB})	MPR (dB)		
	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		

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 reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel. When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

2) QPSK with 50% RB allocation

The procedures required for 1 RB allocation in 1) are applied to measure the SAR for QPSK with 50% RB allocation.

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 reported SAR for 1 RB and 50% RB allocation in 1) and 2) are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.



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 is instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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-Rosus com

No.1 Workshop, Nr.10, Middle Section, Science & Technology Park, Nanshan 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M-10栋1号厂房 邮编:518057 t(86-755)26012053 f(86-755)26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01.2022

Report No.: SZCR230200035201

Page: 40 of 148

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 reported SAR for the QPSK configuration is > 1.45 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 reported SAR of a configuration for the largest channel bandwidth is > 1.45 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 sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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.



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

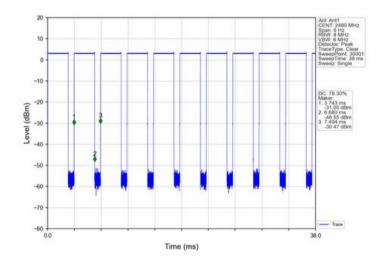
Page: 41 of 148

6.2.6 BluetoothTest Configuration

For the Bluetooth SAR tests, a communication link is set up with the test mode software for BT mode test. Bluetooth USES frequency hopping technology to divide the transmitted data into packets and transmit the packets respectively through 79 designated Bluetooth channels, 1MHz Bandwidth, frequency hops at 1600 hops/second per the Bluetooth standard. The Radio Frequency Channel Number (RFCN) is allocated to 0, 39 and 78 respectively in the case of 2402~2480 MHz during the test at each test frequency channel, the EUT is operated at the RF continuous emission mode.

6.2.6.1 Duty cycle

Bluetooth duty cycle: 78.3%





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 sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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.

o the fullest extent of the law. Unless out of the complete 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@sgs.com

|Mo.1 Wortshop, N-10, Middle Section, Science & Technology Part, Nanshan District, Shenzhan, Guangdong, Chine 5 18057 t (86-755) 26012053 f (86-755) 26710594 www.s.gsgroup.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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 42 of 148

7 Test Result

7.1 Measurement of RF Conducted Power

7.1.1 Conducted Power Of LTE

	LTE Band	2		Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18607	18900	19193		
	QPSK	1	0	22.67	22.85	22.8	23.5	
	QPSK	1	2	22.75	22.81	22.84	23.5	
	QPSK	1	5	22.71	22.83	22.81	23.5	
	QPSK	3	0	22.65	22.89	22.82	23	
	QPSK	3	2	22.7	22.93	22.87	23	
	QPSK	3	3	22.67	22.87	22.85	23	
4 48411-	QPSK	6	0	21.65	21.89	21.79	23	
1.4MHz	16QAM	1	0	21.72	21.93	21.94	22.5	
	16QAM	1	2	21.71	21.92	21.98	22.5	
	16QAM	1	5	21.74	21.88	21.96	22.5	
	16QAM	3	0	21.64	22.03	21.79	22.5	
	16QAM	3	2	21.75	22.14	21.92	22.5	
	16QAM	3	3	21.68	22.04	21.86	22.5	
	16QAM	6	0	20.63	20.91	20.88	22.5	
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up	
				18615	18900	19185		
	QPSK	1	0	22.74	22.95	22.91	23.5	
	QPSK	1	7	22.69	22.93	22.89	23.5	
	QPSK	1	14	22.63	22.84	22.8	23.5	
	QPSK	8	0	21.71	21.93	21.82	23	
	QPSK	8	4	21.68	21.91	21.87	23	
	QPSK	8	7	21.68	21.9	21.83	23	
3MHz	QPSK	15	0	21.72	21.9	21.82	23	
SIVITZ	16QAM	1	0	22.36	22.12	21.95	22.5	
	16QAM	1	7	22.41	22.1	21.87	22.5	
	16QAM	1	14	22.26	22	21.77	22.5	
	16QAM	8	0	20.89	20.86	20.92	22.5	
	16QAM	8	4	20.86	20.89	20.94	22.5	
	16QAM	8	7	20.83	20.84	20.91	22.5	
	16QAM	15	0	20.78	20.88	20.87	22.5	
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up	



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CMD.Doccheck@ags.com

No.1 Workshop, M-II, Middle Section, Science & Technology Pat, Nanshan Districk, Shenzhen, Guengtong, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 43 of 148

			offset				
				18625	18900	19175	
	QPSK	1	0	22.65	22.99	22.94	23.5
	QPSK	1	13	22.89	22.97	22.94	23.5
	QPSK	1	24	22.74	22.82	22.79	23.5
	QPSK	12	0	21.77	21.96	21.87	23
	QPSK	12	6	21.73	21.92	21.82	23
	QPSK	12	13	21.64	21.89	21.79	23
ENALL-	QPSK	25	0	21.74	21.96	21.84	23
5MHz	16QAM	1	0	21.71	22.24	22.1	22.5
	16QAM	1	13	21.68	22.25	22.05	22.5
	16QAM	1	24	21.66	22.06	21.97	22.5
	16QAM	12	0	20.76	21.03	20.88	22.5
	16QAM	12	6	20.74	20.97	20.82	22.5
	16QAM	12	13	20.66	20.91	20.79	22.5
	16QAM	25	0	20.73	20.91	20.88	22.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
	QPSK	1	0	22.73	22.98	22.98	23.5
	QPSK	1	25	22.79	23.07	22.84	23.5
	QPSK	1	49	22.76	22.79	22.59	23.5
	QPSK	25	0	21.67	21.8	21.75	23
	QPSK	25	13	21.73	21.82	21.76	23
	QPSK	25	25	21.62	21.83	21.76	23
408811-	QPSK	50	0	21.71	21.86	21.79	23
10MHz	16QAM	1	0	22.49	22.2	21.96	22.5
	16QAM	1	25	22.4	22.19	21.86	22.5
	16QAM	1	49	22.3	22.04	21.63	22.5
	16QAM	25	0	20.72	20.86	20.83	22.5
	16QAM	25	13	20.74	20.9	20.84	22.5
	16QAM	25	25	20.71	20.81	20.9	22.5
	16QAM	50	0	20.71	20.87	20.76	22.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
	QPSK	1	0	22.92	23.14	23.12	23.5
	QPSK	1	38	22.7	22.96	22.95	23.5
	QPSK	1	74	22.92	23.1	22.94	23.5
15MHz	QPSK	36	0	21.79	21.94	21.91	23
	QPSK	36	18	21.78	21.99	21.83	23
	QPSK	36	39	21.79	21.92	21.85	23
	QPSK	75	0	21.79	21.93	21.91	23



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 is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

No.1 Workshop, N-10, Middle Sedion, Science & Technology Part, Nanshan District, Shenzben, Guargolong, China 518057 t (88-755) 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

44 of 148 Page:

	16QAM	1	0	22.34	22.26	22.36	22.5
	16QAM	1	38	22.24	22.2	22.37	22.5
	16QAM	1	74	22.41	22.3	22.4	22.5
	16QAM	36	0	20.81	20.92	20.88	22.5
	16QAM	36	18	20.83	20.95	20.87	22.5
	16QAM	36	39	20.81	20.97	20.85	22.5
	16QAM	75	0	20.77	20.95	20.92	22.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18700	18900	19100	
	QPSK	1	0	22.91	23.11	23.1	23.5
	QPSK	1	50	22.87	22.95	22.88	23.5
	QPSK	1	99	22.65	22.71	22.68	23.5
	QPSK	50	0	21.88	22	21.98	23
	QPSK	50	25	21.89	21.95	21.93	23
	QPSK	50	50	21.78	21.85	21.78	23
20MHz	QPSK	100	0	21.85	21.95	21.93	23
ZUIVITZ	16QAM	1	0	22.26	22.32	22.44	22.5
	16QAM	1	50	22.17	22.29	22.39	22.5
	16QAM	1	99	22	21.98	22.23	22.5
	16QAM	50	0	20.84	21	20.95	22.5
	16QAM	50	25	20.86	20.98	20.92	22.5
	16QAM	50	50	20.79	20.87	20.85	22.5
	16QAM	100	0	20.89	20.93	20.95	22.5

	LTE Band 4					Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up		
Danuwidin	iviodulation	KD SIZE	offset	19957	20175	20393	Turie up		
		1	0	22.5	22.23	22.37	23		
		1	2	22.5	22.35	22.42	23		
		1	5	22.43	22.35	22.37	23		
	QPSK	3	0	22.41	22.31	22.43	22.5		
		3	2	22.43	22.4	22.47	22.5		
		3	3	22.49	22.37	22.41	22.5		
1.4MHz		6	0	21.47	21.35	21.44	22		
		1	0	21.62	21.32	21.44	22		
		1	2	21.65	21.35	21.49	22		
	16001	1	5	21.57	21.41	21.44	22		
	16QAM	3	0	21.45	21.37	21.38	21.5		
		3	2	21.49	21.47	21.48	21.5		
		3	3	21.43	21.41	21.46	21.5		



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 45 of 148

		6	0	20.47	20.32	20.45	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Danuwiutii	iviodulation	ND SIZE	offset	19965	20175	20385	rune up
		1	0	22.58	22.35	22.51	23
		1	7	22.49	22.39	22.53	23
		1	14	22.42	22.32	22.44	23
	QPSK	8	0	21.54	21.41	21.45	22
		8	4	21.53	21.39	21.5	22
		8	7	21.47	21.41	21.45	22
3MHz		15	0	21.57	21.36	21.45	22
SIVITZ		1	0	21.49	21.52	21.51	22
		1	7	21.64	21.57	21.52	22
		1	14	21.67	21.55	21.48	22
	16QAM	8	0	20.74	20.35	20.55	21
		8	4	20.74	20.36	20.52	21
		8	7	20.64	20.35	20.51	21
		15	0	20.61	20.35	20.51	21
Bandwidth	Modulation	DD oizo	RB	Channel	Channel	Channel	Tung up
bandwidth	Modulation	RB size	offset	19975	20175	20375	Tune up
		1	0	22.71	22.42	22.66	23
		1	13	22.61	22.42	22.54	23
		1	24	22.43	22.35	22.45	23
	QPSK	12	0	21.58	21.38	21.58	22
		12	6	21.5	21.37	21.48	22
		12	13	21.49	21.41	21.42	22
5MHz		25	0	21.52	21.39	21.46	22
ЭМП		1	0	21.59	21.73	21.83	22
		1	13	21.46	21.7	21.69	22
		1	24	21.37	21.59	21.59	22
	16QAM	12	0	20.6	20.39	20.57	21
		12	6	20.55	20.4	20.44	21
		12	13	20.47	20.4	20.43	21
		25	0	20.52	20.38	20.48	21
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Danawiatii	IVIOGGIATIOTI	IVD SIZE	offset	20000	20175	20350	i dile up
		1	0	22.89	22.53	22.88	23
		1	25	22.51	22.37	22.73	23
		1	49	22.6	22.67	22.86	23
10MHz	QPSK	25	0	21.58	21.37	21.49	22
		25	13	21.51	21.4	21.55	22
		25	25	21.54	21.46	21.57	22
		50	0	21.58	21.42	21.63	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 is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@sgs.com

No.1 Workshop, N-10, Middle Section, Science & Technology Part, Nanshan District, Sherzhen, Guegotion, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

46 of 148 Page:

		1	0	21.64	21.72	21.83	22
		1	25	21.44	21.57	21.72	22
		1	49	21.75	21.79	21.79	22
	16QAM	25	0	20.65	20.35	20.64	21
		25	13	20.58	20.37	20.63	21
		25	25	20.66	20.44	20.65	21
		50	0	20.59	20.47	20.64	21
5 1 1 1/1	NA 114	55	RB	Channel	Channel	Channel	_
Bandwidth	Modulation	RB size	offset	20025	20175	20325	Tune up
		1	0	22.72	22.45	22.51	23
		1	38	22.49	22.38	22.46	23
		1	74	22.16	22.45	22.36	23
	QPSK	36	0	21.65	21.38	21.4	22
		36	18	21.53	21.39	21.47	22
		36	39	21.34	21.4	21.41	22
		75	0	21.53	21.42	21.39	22
15MHz		1	0	21.47	21.55	21.68	22
		1	38	21.69	21.53	21.89	22
		1	74	21.68	21.63	21.75	22
	16QAM	36	0	20.67	20.41	20.42	21
		36	18	20.59	20.44	20.47	21
		36	39	20.39	20.43	20.4	21
		75	0	20.55	20.44	20.36	21
			RB	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	offset	20050	20175	20300	Tune up
		1	0	22.49	22.36	22.29	23
		1	50	22.52	22.65	22.49	23
		1	99	21.94	22.52	22.39	23
	QPSK	50	0	21.39	21.53	21.38	22
		50	25	21.34	21.35	21.37	22
		50	50	21.28	21.39	21.37	22
		100	0	21.47	21.39	21.39	22
20MHz	20MHz	1	0	21.78	21.46	21.89	22
		1	50	21.74	21.54	21.99	22
		1	99	21.32	21.75	21.91	22
	16QAM	50	0	20.52	20.34	20.37	21
		50	25	20.46	20.39	20.35	21
		50	50	20.33	20.39	20.34	21
			-				1

LTE Band 5	Conducted Power(dBm)
------------	----------------------



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"

| No.1 | Nortstop, M-10, | Middle Section, Science & Technology Park, Narsham Districk, Shenzhen, Guangdrong, 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 邮第:518057 | t (86-755) 26012053 | f (86-755) 26710594 | sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 47 of 148

Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Banawiani	Wodalation	TO SIZE	offset	20407	20525	20643	·
		1	0	22.81	22.79	22.7	23.5
		1	2	22.88	22.8	22.76	23.5
		1	5	22.82	22.78	22.7	23.5
	QPSK	3	0	22.83	22.75	22.82	23
		3	2	22.85	22.88	22.81	23
		3	3	22.8	22.82	22.75	23
1.4MHz		6	0	21.85	21.85	21.78	23
1.4111172		1	0	21.93	21.77	21.7	23
		1	2	22.01	21.77	21.75	23
		1	5	21.92	21.77	21.75	23
	16QAM	3	0	21.79	21.83	21.97	22.5
		3	2	21.89	21.9	22.02	22.5
		3	3	21.78	21.86	21.95	22.5
		6	0	20.82	20.76	20.76	22.5
Don dwidth	Modulation	DD size	RB	Channel	Channel	Channel	Tungun
Bandwidth	iviodulation	RB size	offset	20415	20525	20635	Tune up
		1	0	22.85	22.78	22.81	23.5
		1	7	22.84	22.9	22.83	23.5
		1	14	22.82	22.81	22.71	23.5
	QPSK	8	0	21.84	21.81	21.81	23
		8	4	21.84	21.88	21.83	23
		8	7	21.81	21.83	21.84	23
20011-		15	0	21.85	21.87	21.81	23
3MHz		1	0	22.49	21.92	21.85	23
		1	7	22.49	22.01	21.85	23
		1	14	22.43	21.92	21.72	23
	16QAM	8	0	20.99	20.78	20.86	22.5
		8	4	21	20.84	20.87	22.5
		8	7	21	20.78	20.9	22.5
		15	0	20.9	20.86	20.89	22.5
Dan dessisti	Modulatian	DD -:	RB	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	offset	20425	20525	20625	Tune up
		1	0	22.99	22.88	22.94	23.5
		1	13	23	22.93	22.9	23.5
		1	24	22.91	22.87	22.6	23.5
	QPSK	12	0	21.88	21.85	21.85	23
5MHz		12	6	21.89	21.78	21.9	23
		12	13	21.87	21.82	21.79	23
		25	0	21.92	21.9	21.91	23
	16QAM	1	0	21.86	22.13	22.06	23



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 is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN. Doccheck@sgs.com

No.1 Workshop, N-10, Middle Section, Science & Technology Part, Nanshan District, Sherzhen, Guegotion, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 48 of 148

		1	13	21.85	22.17	22.02	23
		1	24	21.81	22.1	21.78	23
		12	0	20.93	20.88	20.82	22.5
		12	6	20.89	20.86	20.88	22.5
		12	13	20.89	20.88	20.77	22.5
		25	0	20.94	20.89	20.87	22.5
Bandwidth	Modulation	DD oizo	RB	Channel	Channel	Channel	Tungun
Danuwium	Modulation	RB size	offset	20450	20525	20600	Tune up
		1	0	23.09	23.1	23.04	23.5
		1	25	22.87	22.91	22.94	23.5
		1	49	23.01	22.96	22.8	23.5
	QPSK	25	0	22.16	22.32	22.1	22.5
		25	13	21.92	21.93	21.94	23
		25	25	21.97	21.98	21.9	23
10MHz		50	0	21.93	21.96	22	23
IUWINZ		1	0	22.7	22.12	22.06	23
		1	25	22.49	22.07	21.89	23
		1	49	22.75	21.98	21.57	23
	16QAM	25	0	20.99	20.86	21	22.5
		25	13	21.02	20.93	21	22.5
		25	25	21.05	20.94	20.97	22.5
		50	0	20.95	20.95	20.97	22.5

	LTE Band 7					Conducted Power(dBm)				
Bandwidth	Modulation	DP oizo	RB	Channel	Channel	Channel	T			
Danuwium	Modulation	RB size	offset	20775	21100	21425	Tune up			
		1	0	23.16	22.98	22.91	23.5			
		1	13	23.01	22.93	22.9	23.5			
		1	24	22.97	22.89	22.78	23.5			
QPSK	QPSK	12	0	22.12	21.95	21.89	23			
		12	6	22.14	21.96	21.87	23			
		12	13	22	21.9	21.83	23			
5MHz		25	0	22.09	21.97	21.85	23			
ЭМП		1	0	22.05	22.19	22.04	23			
		1	13	21.94	22.23	21.95	23			
		1	24	21.9	22.15	21.9	23			
	16QAM	12	0	21.14	20.96	20.86	22.5			
		12	6	21.12	20.97	20.82	22.5			
		12	13	20.99	20.93	20.8	22.5			
		25	0	21.12	20.95	20.87	22.5			
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up			



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or or mail: CM. Doccheck@ags.com

No.1 Workshop, M-10, Middle Section, Science & Technology Part, Nanshan District, Sherzhan, 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株1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 49 of 148

			offset	20800	21100	21400	
		1	0	23.09	22.96	22.84	23.5
		1	25	22.8	22.73	22.64	23.5
		1	49	22.74	22.7	22.46	23.5
	QPSK	25	0	21.86	21.74	21.72	23
		25	13	21.76	21.73	21.62	23
		25	25	21.83	21.69	21.63	23
408411-		50	0	21.83	21.77	21.67	23
10MHz		1	0	22.48	22.15	21.95	23
		1	25	22.4	21.94	21.72	23
		1	49	22.35	21.91	21.67	23
	16QAM	25	0	20.9	20.75	20.85	22.5
		25	13	20.88	20.74	20.71	22.5
		25	25	20.86	20.7	20.68	22.5
		50	0	20.82	20.73	20.67	22.5
Dan duvi dili	Madulation	DD a:a	RB	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	offset	20825	21100	21375	Tune up
		1	0	23	22.85	22.79	23.5
		1	38	22.83	22.74	22.68	23.5
		1	74	22.83	22.72	22.57	23.5
	QPSK	36	0	21.97	21.89	21.75	23
		36	18	21.93	21.83	21.79	23
		36	39	21.86	21.73	21.71	23
15MHz		75	0	21.93	21.79	21.77	23
ISWIEZ		1	0	22.5	22.03	22.16	23
		1	38	22.48	21.93	22.08	23
		1	74	22.39	21.91	22	23
	16QAM	36	0	21.04	20.86	20.75	22.5
		36	18	20.97	20.85	20.76	22.5
		36	39	20.87	20.74	20.7	22.5
		75	0	20.91	20.81	20.74	22.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Bandwidth	Modulation	IND SIZE	offset	20850	21100	21350	Turie up
		1	0	23.1	22.86	22.86	23.5
		1	50	22.93	22.81	22.67	23.5
		1	99	22.79	22.77	22.61	23.5
	QPSK	50	0	21.99	21.89	21.8	23
20MHz		50	25	21.93	21.84	21.73	23
		50	50	21.86	21.81	21.72	23
		100	0	21.94	21.82	21.72	23
	16QAM	1	0	22.44	22.12	22.46	23
	IOQAW	1	50	22.27	22.1	22.24	23



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 is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@ags.com

No.1 Workshop, N-10, Middle Sedion, Science & Technology Part, Nanshan District, Shenzben, Guargolong, China 518057 t (88-755) 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

50 of 148 Page:

1	99	22.15	21.97	22.2	23
50	0	21.03	20.83	20.79	22.5
50	25	20.99	20.8	20.72	22.5
50	50	20.9	20.85	20.71	22.5
100	0	20.98	20.8	20.73	22.5

	LTE FDD Ban	d 12		Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB offset	Channel 23017	Channel 23095	Channel 23173	Tune up	
		1	0	22.63	23095	22.75	23.5	
		1	2	22.7	22.68	22.83	23.5	
		1	5	22.72	22.59	22.79	23.5	
	OBSK	3	0	22.72	22.66	22.79	23.3	
	QPSK	3	2	22.79	22.62	22.86	23	
		3	3	22.76	22.62	22.78	23	
		6	0	21.69	21.56	21.82	22.5	
1.4MHz			0					
		1	2	21.88	21.6	21.77	22.5	
		1	5	21.9	21.7	21.85	22.5	
	400 484	1		21.87	21.62	21.84	22.5	
	16QAM	3	0	21.77	21.67	22.02	22	
		3	2	21.74	21.66	22.03	22	
		3	3	21.71	21.6	22	22	
		6	0	20.69	20.48	20.85	22	
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up	
			offset	23025	23095	23165	·	
		1	0	22.78	22.58	22.85	23.5	
		1	7	22.7	22.59	22.87	23.5	
		1	14	22.64	22.63	22.89	23.5	
	QPSK	8	0	21.77	21.64	21.84	22.5	
		8	4	21.72	21.6	21.86	22.5	
		8	7	21.78	21.63	21.89	22.5	
3MHz		15	0	21.7	21.58	21.85	22.5	
011112		1	0	22.39	21.85	21.86	22.5	
		1	7	22.27	21.83	21.85	22.5	
		1	14	22.21	21.75	21.88	22.5	
	16QAM	8	0	20.93	20.61	20.91	21.5	
		8	4	20.9	20.6	20.93	21.5	
	8	7	20.9	20.6	20.92	21.5		
		15	0	20.79	20.61	20.89	21.5	
Bandwidth	Modulation	RB size	RB offset	Channel 23035	Channel 23095	Channel 23155	Tune up	



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 51 of 148

	1	1	0	22.83	22.66	22.81	23.5
		1	13	22.77	22.85	22.92	23.5
		1	24	22.7	22.72	22.88	23.5
	QPSK	12	0	21.81	21.74	21.76	22.5
		12	6	21.81	21.71	21.8	22.5
		12	13	21.68	21.67	21.79	22.5
5MHz		25	0	21.81	21.65	21.81	22.5
SIVITZ	16QAM	1	0	21.72	22.02	21.9	22.5
		1	13	21.61	22.03	22	22.5
		1	24	21.57	22.01	22.02	22.5
		12	0	20.83	20.74	20.76	21.5
		12	6	20.77	20.75	20.78	21.5
		12	13	20.67	20.7	20.8	21.5
		25	0	20.85	20.58	20.81	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Danuwium	Modulation	ND SIZE	offset	23060	23095	23130	rune up
		1	0	23.01	22.94	22.98	23.5
		1	25	22.63	22.83	22.97	23.5
		1	49	22.84	22.8	22.88	23.5
	QPSK	25	0	21.91	21.86	21.9	22.5
		25	13	21.78	21.61	21.89	22.5
		25	25	21.75	21.78	21.87	22.5
10MHz		50	0	21.77	21.66	21.85	22.5
TOWINZ		1	0	22.23	22.22	21.97	22.5
		1	25	22.32	21.99	21.88	22.5
		1	49	22.38	21.97	21.92	22.5
	16QAM	25	0	20.87	20.77	20.87	21.5
		25	13	20.81	20.71	20.93	21.5
		25	25	20.77	20.74	20.92	21.5
		50	0	20.8	20.66	20.89	21.5

		Conducted Power(dBm)					
Bandwidth	Bandwidth Modulation		RB	Channel	Channel	Channel	Tungun
Danawiani	iviodulation	RB size	offset	23205	23230	23255	Tune up
		1	0	22.7	22.96	22.99	23.5
		1	13	23	23.08	23.09	23.5
		1	24	22.98	23.01	22.99	23.5
5MHz	QPSK	12	0	21.83	22.08	21.96	23
		12	6	21.88	22.07	22.03	23
		12	13	21.95	22.05	21.92	23
		25	0	21.9	22.07	21.99	23



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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-10, Middle Section, Science & Bednadogy Part, Narshan District, Shenzhien, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 52 of 148

	1	1	0	21.64	22.29	22.1	23
		1	13	21.85	22.29	22.13	23
		1	24	21.82	22.27	22.1	23
	16QAM	12	0	20.81	21.07	20.91	22.5
	100,111	12	6	20.87	21.07	20.98	22.5
		12	13	20.95	21.06	20.9	22.5
		25	0	20.92	21.04	21.01	22.5
Dan duvidéh	Madulation	DD ains	RB	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	offset	NA	23230	NA	Tune up
		1	0	NA	23.15	NA	23.5
		1	25	NA	22.98	NA	23.5
		1	49	NA	23.14	NA	23.5
	QPSK	25	0	NA	22.13	NA	23
		25	13	NA	22.1	NA	23
		25	25	NA	22.12	NA	23
400011-		50	0	NA	22.12	NA	23
10MHz		1	0	NA	22.77	NA	23
		1	25	NA	22.66	NA	23
		1	49	NA	22.81	NA	23
	16QAM	25	0	NA	21.17	NA	22.5
		25	13	NA	21.14	NA	22.5
	<u> </u>	25	25	NA	21.16	NA	22.5
		50	0	NA	21.12	NA	22.5

	LTE Band 14					Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up			
Ballawiatii	Modulation	IND SIZE	offset	23305	23330	23355	Turie up			
		1	0	22.59	22.65	22.62	23			
		1	13	22.71	22.64	22.72	23			
		1	24	22.52	22.54	22.52	23			
	QPSK	12	0	21.59	21.55	21.6	22			
		12	6	21.55	21.57	21.61	22			
EMIL-		12	13	21.58	21.56	21.57	22			
5MHz		25	0	21.61	21.57	21.58	22			
		1	0	21.49	21.85	21.73	22.5			
	16QAM	1	13	21.59	21.91	21.84	22.5			
		1	24	21.37	21.7	21.65	22.5			
		12	0	20.61	20.59	20.58	21.5			
		12	6	20.52	20.6	20.58	21.5			



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1 Workshop, N-10, Middle Section, Science & Technology Part, Manshan District, Shenzben, Guengdong, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 53 of 148

		12	13	20.51	20.59	20.55	21.5
		25	0	20.67	20.53	20.59	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tungun
Danuwium	Modulation	KD SIZE	offset	NA	23330	NA	Tune up
		1	0	NA	22.84	NA	23
		1	25	NA	22.67	NA	23
		1	49	NA	22.38	NA	23
	QPSK	25	0	NA	21.68	NA	22
		25	13	NA	21.58	NA	22
		25	25	NA	21.55	NA	22
40844-		50	0	NA	21.67	NA	22
10MHz		1	0	NA	22.47	NA	22.5
		1	25	NA	22.38	NA	22.5
		1	49	NA	22.11	NA	22.5
	16QAM	25	0	NA	20.77	NA	21.5
		25	13	NA	20.62	NA	21.5
		25	25	NA	20.65	NA	21.5
		50	0	NA	20.65	NA	21.5

	LTE FDD Band	d 17		Conducted Power(dBm)				
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up	
Danuwiutii	Modulation	ND SIZE	offset	23755	23790	23825	rune up	
		1	0	22.68	22.67	22.93	23	
	QPSK	1	13	22.79	22.73	23	23	
		1	24	22.83	22.73	22.91	23	
		12	0	21.69	21.64	21.84	22	
		12	6	21.69	21.74	21.88	22	
		12	13	21.79	21.75	21.9	22	
5MHz		25	0	21.75	21.8	21.97	22	
SIVITIZ		1	0	21.57	21.87	22.04	22.5	
		1	13	21.7	21.98	22.07	22.5	
		1	24	21.73	21.93	22.04	22.5	
	16QAM	12	0	20.71	20.68	20.82	21.5	
		12	6	20.72	20.8	20.9	21.5	
		12	13	20.78	20.8	20.9	21.5	
		25	0	20.71	20.74	20.97	21.5	
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tupe up	
Danuwiutii	iviodulation	ND SIZE	offset	23780	23790	23800	Tune up	
10MHz	QPSK 1	1	0	22.89	22.91	22.95	23	
IUIVITZ	QF3N	1	25	22.69	22.9	22.81	23	



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

54 of 148 Page:

		1	49	22.63	22.68	22.87	23
		25	0	21.75	21.76	21.73	22
		25	13	21.63	21.76	21.79	22
		25	25	21.77	21.83	21.93	22
		50	0	21.8	21.81	21.8	22
		1	0	22.36	21.98	21.95	22.5
		1	25	22.42	22.13	21.91	22.5
		1	49	22.33	21.76	21.85	22.5
	16QAM	25	0	20.82	20.79	20.83	21.5
		25	13	20.73	20.8	20.85	21.5
		25	25	20.87	20.79	20.92	21.5
		50	0	20.79	20.74	20.8	21.5

	LTE Band 2	5		Conducted Power(dBm)				
Dan duvi dila	Modulation	DD ains	RB	Channel	Channel	Channel	T	
Bandwidth	Modulation	RB size	offset	26047	26365	26683	Tune up	
		1	0	22.72	22.73	22.68	23	
		1	2	22.76	22.75	22.6	23	
		1	5	22.75	22.73	22.61	23	
	QPSK	3	0	22.47	22.39	22.39	22.5	
		3	2	22.49	22.41	22.44	22.5	
		3	3	22.41	22.36	22.35	22.5	
1.4MHz		6	0	21.77	21.68	21.67	22.5	
1.4WITZ		1	0	21.89	21.74	21.69	22.5	
		1	2	21.94	21.75	21.67	22.5	
		1	5	21.9	21.81	21.71	22.5	
	16QAM	3	0	21.49	21.42	21.45	21.5	
		3	2	21.49	21.44	21.43	21.5	
		3	3	21.5	21.38	21.23	21.5	
		6	0	20.8	20.62	20.69	21.5	
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up	
Danuwium	Modulation	ND SIZE	offset	26055	26365	26675	Turie up	
		1	0	22.77	22.75	22.78	23	
		1	7	22.76	22.79	22.87	23	
		1	14	22.67	22.7	22.62	23	
	QPSK	8	0	21.81	21.78	21.73	22.5	
3MHz		8	4	21.81	21.77	21.76	22.5	
		8	7	21.69	21.77	21.72	22.5	
		15	0	21.83	21.72	21.77	22.5	
	16QAM	1	0	21.98	21.77	22.4	22.5	
	ΙΟΦΛΙΝΙ	1	7	22.05	21.73	22.37	22.5	



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 55 of 148

		1	14	21.86	21.73	22.16	22.5
		8	0	20.79	20.84	20.89	21.5
		8	4	20.81	20.75	20.93	21.5
		8	7	20.69	20.82	20.88	21.5
		15	0	20.8	20.72	20.78	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tung up
Danuwium	iviodulation	KD SIZE	offset	26065	26365	26665	Tune up
		1	0	22.95	22.84	22.89	23
		1	13	22.8	22.8	22.84	23
		1	24	22.75	22.75	22.64	23
	QPSK	12	0	21.86	21.79	21.81	22.5
		12	6	21.77	21.73	21.79	22.5
		12	13	21.76	21.72	21.76	22.5
EMU-		25	0	21.81	21.75	21.79	22.5
5MHz		1	0	21.81	22.08	22.1	22.5
		1	13	21.78	22.04	22.05	22.5
		1	24	21.69	22	21.78	22.5
	16QAM	12	0	20.86	20.8	20.81	21.5
		12	6	20.78	20.79	20.76	21.5
	12	13	20.75	20.72	20.73	21.5	
		25	0	20.77	20.7	20.79	21.5
			_	20.77	20.7	_0	
Randwidth	Modulation		RB	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	_				Tune up
Bandwidth	Modulation		RB	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	RB offset	Channel 26090	Channel 26365	Channel 26640	Tune up
Bandwidth	Modulation	RB size	RB offset 0	Channel 26090 22.94	Channel 26365 22.9	Channel 26640 22.97	Tune up
Bandwidth	Modulation QPSK	RB size	RB offset 0 25	Channel 26090 22.94 22.71	Channel 26365 22.9 22.88	Channel 26640 22.97 22.74	Tune up 23 23
Bandwidth		RB size 1 1 1	RB offset 0 25 49	Channel 26090 22.94 22.71 22.8	Channel 26365 22.9 22.88 22.8	Channel 26640 22.97 22.74 22.73	Tune up 23 23 23 23
Bandwidth		RB size 1 1 1 25	RB offset 0 25 49	Channel 26090 22.94 22.71 22.8 21.78	Channel 26365 22.9 22.88 22.8 21.7	Channel 26640 22.97 22.74 22.73 21.78	Tune up 23 23 23 23 22.5
		RB size 1 1 1 25 25	RB offset 0 25 49 0 13	Channel 26090 22.94 22.71 22.8 21.78 21.76	Channel 26365 22.9 22.88 22.8 21.7 21.73	Channel 26640 22.97 22.74 22.73 21.78 21.78	Tune up 23 23 23 23 22.5 22.5
Bandwidth 10MHz		RB size 1 1 1 25 25 25	RB offset 0 25 49 0 13 25	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79	Channel 26365 22.9 22.88 21.7 21.73 21.79	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8	Tune up 23 23 23 23 22.5 22.5 22.5
		RB size 1 1 1 25 25 25 50	RB offset 0 25 49 0 13 25 0	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74	Channel 26365 22.9 22.88 22.8 21.7 21.73 21.79 21.74	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84	Tune up 23 23 23 23 22.5 22.5 22.5 22.5 22.5
		RB size 1 1 1 25 25 25 50 1	RB offset 0 25 49 0 13 25 0 0	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55	Channel 26365 22.9 22.88 22.8 21.7 21.73 21.79 21.74 22.09	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5
		RB size 1 1 1 25 25 25 50 1	RB offset 0 25 49 0 13 25 0 0 25	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55 22.3	Channel 26365 22.9 22.88 21.7 21.73 21.79 21.74 22.09 21.92	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94 21.85	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5
	QPSK	RB size 1 1 1 25 25 25 50 1 1 1	RB offset 0 25 49 0 13 25 0 0 25 49	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55 22.3 22.32	Channel 26365 22.9 22.88 21.7 21.73 21.79 21.74 22.09 21.92 22.02	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94 21.85 21.75	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5
	QPSK	RB size 1 1 1 25 25 25 50 1 1 1 25	RB offset 0 25 49 0 13 25 0 0 25 49 0 0	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55 22.3 22.32 20.83	Channel 26365 22.9 22.88 22.8 21.7 21.73 21.79 21.74 22.09 21.92 22.02 20.73	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94 21.85 21.75 20.88	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5
	QPSK	RB size 1 1 1 25 25 25 50 1 1 1 25 25	RB offset 0 25 49 0 13 25 0 0 25 49 13 13 25 10 13	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55 22.3 22.32 20.83 20.78	Channel 26365 22.9 22.88 21.7 21.73 21.79 21.74 22.09 21.92 22.02 20.73 20.73	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94 21.85 21.75 20.88 20.85	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5
10MHz	QPSK 16QAM	RB size 1 1 1 25 25 25 50 1 1 25 25 50 50 50	RB offset 0 25 49 0 13 25 0 0 25 49 0 13 25 13 25 25	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55 22.3 22.32 20.83 20.78 20.83	Channel 26365 22.9 22.88 21.7 21.73 21.79 21.74 22.09 21.92 22.02 20.73 20.73 20.77	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94 21.85 21.75 20.88 20.85 20.88	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5
	QPSK	RB size 1 1 1 25 25 25 50 1 1 1 25 25 25 25	RB offset 0 25 49 0 13 25 0 0 25 49 0 13 25 0 0 25 49 0 13 25 0	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55 22.3 22.32 20.83 20.78 20.83 20.73	Channel 26365 22.9 22.88 21.7 21.73 21.79 21.74 22.09 21.92 22.02 20.73 20.73 20.77 20.71	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94 21.85 21.75 20.88 20.85 20.88 20.84	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5
10MHz	QPSK 16QAM	RB size 1 1 1 25 25 25 50 1 1 25 25 50 50 50	RB offset 0 25 49 0 13 25 0 0 25 49 0 RB	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55 22.3 22.32 20.83 20.78 20.83 20.73 Channel	Channel 26365 22.9 22.88 22.8 21.7 21.73 21.79 21.74 22.09 21.92 22.02 20.73 20.73 20.77 20.71 Channel	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94 21.85 21.75 20.88 20.85 20.84 Channel	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5
10MHz	QPSK 16QAM	RB size 1 1 1 25 25 25 50 1 1 1 25 25 50 RB size	RB offset 0 25 49 0 13 25 0 0 25 49 0 RB offset	Channel 26090 22.94 22.71 22.8 21.78 21.76 21.79 21.74 22.55 22.3 22.32 20.83 20.78 20.83 20.73 Channel 26115	Channel 26365 22.9 22.88 21.7 21.73 21.79 21.74 22.09 21.92 20.73 20.73 20.77 20.71 Channel 26365	Channel 26640 22.97 22.74 22.73 21.78 21.78 21.8 21.84 21.94 21.85 21.75 20.88 20.85 20.88 20.84 Channel 26615	Tune up 23 23 23 22.5 22.5 22.5 22.5 22.5 22.5



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM_Doccheck@ags.com

№ 1 Workshop, M-II, Middle Section, Science & Technology Pat, Nanshan District, Sherzhen, Guengtong, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

56 of 148 Page:

		36	0	21.66	21.88	21.97	22.5
		36	18	21.76	21.94	21.86	22.5
		36	39	21.81	21.98	22	22.5
		75	0	21.71	21.95	22.02	22.5
		1	0	22.38	22.08	22.35	22.5
		1	38	22.18	22.01	22.34	22.5
		1	74	22.3	22.1	22.32	22.5
	16QAM	36	0	20.7	20.87	20.96	21.5
		36	18	20.79	20.93	20.84	21.5
		36	39	20.83	20.99	20.99	21.5
		75	0	20.7	20.95	20.95	21.5
Domaliusi altib	Madulation	DD oi-o	RB	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	offset	26140	26365	26590	Tune up
		1	0	22.56	22.97	22.76	23
		1	50	22.67	22.99	22.77	23
		1	99	22.52	22.74	22.57	23
	QPSK	50	0	21.72	21.77	21.74	22.5
		50	25	21.73	21.9	21.82	22.5
		50	50	21.67	21.84	21.79	22.5
20MHz		100	0	21.72	21.82	22	22.5
ZUIVITZ		1	0	22.11	22.18	22.66	22.5
		1	50	21.99	22.26	22.5	22.5
		1	99	21.76	21.91	22.25	22.5
	16QAM	50	0	20.66	20.76	20.93	21.5
		50	25	20.67	20.85	20.8	21.5
		50	50	20.69	20.89	20.78	21.5
		100	0	20.75	20.8	21.01	21.5

LTE	LTE Band 26a(814-824MHz)					Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tupe up		
Danuwium Iviou	iviodulation	ND SIZE	offset	26697	26740	26783	Tune up		
		1	0	22.7	22.71	22.68	23.5		
		1	2	22.79	22.85	22.73	23.5		
		1	5	22.77	22.84	22.69	23.5		
	QPSK	3	0	22.84	22.84	22.73	23		
1.4MHz		3	2	22.83	22.87	22.73	23		
		3	3	22.81	22.81	22.7	23		
		6	0	21.82	21.86	21.71	23		
	160014	1	0	21.95	21.85	21.66	22.5		
	16QAM	1	2	21.84	22.03	21.86	22.5		



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"

| No.1 | Nortstop, M-10, | Middle Section, Science & Technology Park, Narsham Districk, Shenzhen, Guangdrong, 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 邮第:518057 | t (86-755) 26012053 | f (86-755) 26710594 | sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

57 of 148 Page:

		1	5	21.85	21.87	21.86	22.5
		3	0	21.8	21.89	21.8	22
		3	2	22.06	21.9	21.79	22
		3	3	21.88	22.06	21.72	22
		6	0	20.79	20.75	20.67	22
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Danawiani	Modulation	TAB SIZE	offset	26705	26740	26775	Tane ap
		1	0	22.83	22.75	22.82	23.5
		1	7	22.86	22.77	22.81	23.5
		1	14	22.71	22.83	22.7	23.5
	QPSK	8	0	21.78	21.85	21.71	22
		8	4	21.76	21.85	21.74	22
		8	7	21.71	21.9	21.72	22
OMIL-		15	0	21.75	21.89	21.74	22
3MHz		1	0	21.93	21.92	21.84	22.5
		1	7	22.4	22.4	21.89	22.5
		1	14	21.77	21.77	22.26	22.5
	16QAM	8	0	20.82	20.76	20.76	21.5
	8	4	20.76	20.97	20.69	21.5	
		8	7	20.94	20.81	20.89	21.5
		15	0	20.79	20.77	20.73	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tupo up
Danuwium	iviodulation	KD SIZE	offset	26715	26740	26765	Tune up
		1	0	22.86	22.83	22.86	23.5
		1	13	22.83	22.84	22.82	23.5
		1	24	22.81	22.87	22.75	23.5
	QPSK	12	0	21.79	21.86	21.82	22
		12	6	21.83	21.81	21.71	22
		12	13	21.82	21.81	21.71	22
C. A. I.		25	0	21.79	21.82	21.74	22
5MHz		1	0	21.97	22.1	22.14	22.5
		1	13	22.1	21.73	21.66	22.5
		1	24	21.95	21.93	21.87	22.5
	16QAM	12	0	20.83	20.84	20.83	21.5
16QAM			20.84	20.8	20.75	21.5	
		12	6	20.0 4			
		12 12				20.69	21.5
		12	13	20.76	20.77	20.69 20.71	21.5 21.5
		12 25	13 0	20.76 20.78	20.77 20.83	20.71	21.5
Bandwidth	Modulation	12	13	20.76	20.77		
Bandwidth	Modulation	12 25	13 0 RB	20.76 20.78	20.77 20.83 Channel	20.71	21.5
Bandwidth 10MHz	Modulation QPSK	12 25 RB size	13 0 RB offset	20.76 20.78	20.77 20.83 Channel 26740	20.71	21.5 Tune up



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 is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"

| No.1 | Nortstop, M-10, | Middle Section, Science & Technology Park, Narsham Districk, Shenzhen, Guangdrong, 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 邮第:518057 | t (86-755) 26012053 | f (86-755) 26710594 | sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 58 of 148

	25	0	/	21.93	/	22
	25	13	/	21.96	/	22
	25	25	/	21.89	/	22
	50	0	/	21.88	/	22
	1	0	/	22.17	/	22.5
	1	25	/	22.4	/	22.5
	1	49	/	21.93	/	22.5
16Q	AM 25	0	/	20.88	/	21.5
	25	13	/	20.88	/	21.5
	25	25	/	20.93	/	21.5
	50	0	/	20.9	/	21.5

LTE	Band 26b(824-	849MHz)		Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Danawiatii	Wodulation	IND SIZE	offset	26797	26915	27033	Turie up
		1	0	22.74	22.83	22.51	23.5
		1	2	22.82	22.85	22.51	23.5
		1	5	22.76	22.81	22.52	23.5
	QPSK	3	0	22.79	22.86	22.57	23
		3	1	22.8	22.87	22.54	23
		3	3	22.74	22.82	22.52	23
1.4MHz		6	0	21.8	21.86	21.55	22.5
1.4IVITIZ	16QAM	1	0	21.81	21.85	21.56	22.5
		1	2	21.98	21.92	21.58	22.5
		1	5	21.81	21.93	21.55	22.5
		3	0	21.33	21.45	21.48	21.5
		3	1	21.36	21.36	21.49	21.5
		3	3	21.38	21.34	21.39	21.5
		6	0	20.77	20.71	20.52	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Danuwiutii	Wodulation	ND SIZE	offset	26805	26915	27025	Turie up
		1	0	22.74	22.82	22.65	23.5
		1	7	22.75	22.86	22.56	23.5
		1	14	22.71	22.8	22.53	23.5
	QPSK	8	0	21.69	21.9	21.65	22.5
3MHz		8	4	21.75	21.91	21.64	22.5
		8	7	21.75	21.84	21.62	22.5
		15	0	21.75	21.82	21.64	22.5
	16QAM	1	0	21.74	21.9	22.18	22.5
	TOQAW	1	7	21.81	21.95	21.61	22.5



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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.1Workshop, kHn, Middle Section, Science & Technology Part, Manshan District, Shenzhen, Gleenploon, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 59 of 148

		1	14	21.87	22.35	21.7	22.5
		8	0	20.87	20.88	20.79	21.5
		8	4	20.8	20.81	20.72	21.5
		8	7	20.7	20.91	20.59	21.5
		15	0	20.74	20.86	20.65	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tungun
Danuwium	Modulation	KD SIZE	offset	26815	26915	27015	Tune up
		1	0	22.85	22.86	22.75	23.5
		1	13	22.84	22.83	22.72	23.5
		1	24	22.83	22.76	22.59	23.5
	QPSK	12	0	21.75	21.9	21.74	22.5
		12	6	21.77	21.84	21.68	22.5
		12	13	21.78	21.83	21.63	22.5
ENALL-		25	0	21.82	21.82	21.69	22.5
5MHz		1	0	21.69	22	21.89	22.5
		1	13	22.11	22.09	21.98	22.5
		1	24	21.68	21.64	21.47	22.5
	16QAM	12	0	20.76	20.86	20.74	21.5
		12	6	20.79	20.86	20.75	21.5
		12	13	20.78	20.88	20.65	21.5
		25	0	20.81	20.86	20.69	21.5
Dan desidele	Madulatian	DD -:	RB	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	offset	26840	26915	26990	Tune up
		1	0	23.08	22.99	23.09	23.5
		1	25	22.88	22.73	22.71	23.5
		1	49	23.12	22.97	22.71	23.5
	QPSK	25	0	21.84	21.89	21.81	22.5
		25	13	21.84	21.82	21.77	22.5
		25	25	21.84	21.97	21.69	22.5
400411		50	0	21.87	21.88	21.82	22.5
10MHz		1	0	21.99	22.02	22.68	22.5
		1	25	21.83	21.96	22.46	22.5
		1	49	22.1	21.39	22.32	22.5
	16QAM	25	0	20.9	20.97	20.91	21.5
		25	13	20.93	20.86	20.81	21.5
		25	25	20.92	20.99	20.8	21.5
		50	0	20.87	20.86	20.77	21.5
B 1 1 1111			RB	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	offset	26865	26915	26965	Tune up
15MHz	QPSK	1	0	23.05	23.12	23.07	23.5



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM_Doccheck@ags.com

No.1 Workshop, Mrit, Middle Section, Science & Technology Pat, Nanshan District, Shenzhan, Guangtong, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 60 of 148

	1	38	22.77	22.79	22.74	23.5
	1	74	23.09	23.16	23.08	23.5
	36	0	22.05	22.09	22.08	22.5
	36	18	21.99	21.86	21.88	22.5
	36	39	21.85	21.69	21.72	22.5
	75	0	22.01	21.82	21.82	22.5
	1	0	22.33	22.27	22.5	22.5
	1	38	22.35	21.97	22.16	22.5
	1	74	22.38	22.4	22.43	22.5
16QAM	36	0	21.19	21.04	21.09	21.5
	36	18	20.98	20.82	20.91	21.5
	36	39	20.9	20.69	20.69	21.5
	75	0	21	20.82	20.82	21.5

Ľ	TE Band 41					Conducte	d Power(dBr	n)	
Daniel dele	Madulatian	RB	RB	Channel	Channel	Channel	Channel	Channel	T
Bandwidth	Modulation	size	offset	39675	40148	40620	41093	41565	Tune up
		1	0	22.79	22.76	23	22.82	22.93	23.5
		1	13	22.63	22.55	22.81	22.58	22.89	23.5
		1	24	22.62	22.52	22.86	22.58	22.79	23.5
	QPSK	12	0	21.72	21.76	21.86	21.7	21.84	22.5
		12	6	21.75	21.74	21.89	21.68	21.79	22.5
		12	13	21.67	21.68	21.84	21.68	21.78	22.5
EMU-	5MHz		0	21.68	21.72	21.82	21.77	21.78	22.5
SIVITIZ	16QAM	1	0	21.9	21.95	22.19	21.87	22	22.5
		1	13	21.89	21.81	22.13	21.95	21.89	22.5
		1	24	21.53	21.6	21.86	21.5	21.79	22.5
		12	0	20.74	20.77	20.87	20.78	20.84	21.5
		12	6	20.74	20.78	20.83	20.64	20.81	21.5
		12	13	20.66	20.76	20.77	20.58	20.69	21.5
		25	0	20.72	20.63	20.79	20.77	20.8	21.5
Bandwidth	Modulation	RB	RB	Channel	Channel	Channel	Channel	Channel	Tune up
Bandwidth	Modulation	size	offset	39700	40160	40620	41080	41540	Turie up
		1	0	22.9	22.84	23.07	22.92	23.1	23.5
		1	25	22.74	22.7	22.87	22.73	22.86	23.5
		1	49	22.43	22.49	22.55	22.35	22.81	23.5
10MHz	QPSK	25	0	21.76	21.74	21.94	21.66	21.81	22.5
IUIVITZ		25	13	21.64	21.71	21.87	21.71	21.78	22.5
		25	25	21.63	21.73	21.8	21.57	21.74	22.5
		50	0	21.67	21.6	21.86	21.69	21.74	22.5
	16QAM	1	0	21.79	21.81	21.9	21.83	21.78	22.5



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or or mail: CM. Doccheck@ags.com

No.1 Workshop, M-10, Middle Section, Science & Technology Part, Nanshan District, Sherzhan, 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株1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

61 of 148 Page:

		1	25	21.88	21.84	21.78	21.9	21.52	22.5
		1	49	21.49	21.46	21.58	21.42	21.42	22.5
		25	0	20.76	20.71	20.89	20.82	20.8	21.5
		25	13	20.65	20.62	20.84	20.62	20.74	21.5
		25	25	20.61	20.68	20.8	20.59	20.77	21.5
		50	0	20.67	20.72	20.86	20.62	20.75	21.5
Bandwidth	Modulation	RB	RB	Channel	Channel	Channel	Channel	Channel	Tune up
Banawian	Modulation	size	offset	39725	40173	40620	41068	41515	rune up
		1	0	22.67	22.67	22.89	22.76	22.75	23.5
		1	38	22.59	22.58	22.71	22.58	22.81	23.5
		1	74	22.44	22.51	22.61	22.52	22.58	23.5
	QPSK	36	0	21.65	21.62	21.8	21.61	21.77	22.5
		36	18	21.66	21.75	21.82	21.6	21.77	22.5
		36	39	21.58	21.55	21.76	21.51	21.69	22.5
45MU-		75	0	21.59	21.64	21.76	21.59	21.79	22.5
15MHz		1	0	21.77	21.81	21.63	21.82	21.92	22.5
		1	38	21.38	21.41	21.61	21.36	22.14	22.5
		1	74	21.33	21.28	21.41	21.4	21.46	22.5
	16QAM	36	0	20.63	20.58	20.78	20.65	20.69	21.5
		36	18	20.57	20.65	20.72	20.6	20.79	21.5
		36	39	20.5	20.53	20.71	20.54	20.68	21.5
		75	0	20.58	20.68	20.78	20.59	20.75	21.5
Don dwidth	Modulation	RB	RB	Channel	Channel	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	size	offset	39750	40185	40620	41055	41490	Tune up
		1	0	22.73	22.69	22.93	22.82	22.83	23.5
		1	50	22.59	22.52	22.82	22.68	22.72	23.5
		1	99	22.23	22.24	22.44	22.22	22.67	23.5
	QPSK	50	0	21.64	21.7	21.78	21.63	21.73	22.5
		50	25	21.63	21.66	21.71	21.7	21.68	22.5
		50	50	21.53	21.6	21.71	21.58	21.71	22.5
20MHz		100	0	21.61	21.56	21.75	21.64	21.73	22.5
ZUIVITZ		1	0	21.76	21.68	21.64	21.76	21.94	22.5
		1	50	21.62	21.61	21.56	21.57	21.24	22.5
		1	99	21.5	21.5	21.79	21.41	21.78	22.5
	16QAM	50	0	20.65	20.68	20.88	20.63	20.77	21.5
		50	25	20.6	20.53	20.78	20.62	20.64	21.5
		50	50	20.51	20.6	20.69	20.45	20.7	21.5
		100	0	20.55	20.47	20.76	20.48	20.66	21.5

LTE Band 66				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Danuwium	Bandwidth Modulation		offset	131979	132322	132665	rune up



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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. <u>Doccheck@sqs.com</u> No.1 Workshop, Nr.10, Middle Section, Science & Technology Part, Nanshan District, Shenzolen, 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株1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.cchina@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 62 of 148

		1	0	22.55	22.54	22.73	23
		1	2	22.56	22.59	22.81	23
		1	5	22.46	22.48	22.68	23
	QPSK	3	0	22.46	22.5	22.46	22.5
		3	1	22.48	22.5	22.41	22.5
		3	3	22.49	22.47	22.45	22.5
4 48.011		6	0	21.55	21.48	21.66	22
1.4MHz		1	0	21.67	21.45	21.64	22
		1	2	21.72	21.45	21.71	22
		1	5	21.63	21.44	21.64	22
	16QAM	3	0	21.61	21.44	21.78	22
		3	1	21.67	21.47	21.86	22
		3	3	21.63	21.43	21.83	22
		6	0	20.53	20.52	20.66	21
Dan desidab	Madulatian	DD -:	RB	Channel	Channel	Channel	T
Bandwidth	Modulation	RB size	offset	131987	132322	132657	Tune up
		1	0	22.63	22.57	22.72	23
	QPSK	1	7	22.54	22.6	22.72	23
		1	14	22.42	22.57	22.67	23
		8	0	21.62	21.54	21.7	22
		8	4	21.59	21.58	21.72	22
		8	7	21.53	21.56	21.65	22
08411-		15	0	21.61	21.53	21.71	22
3MHz		1	0	21.78	21.51	21.94	22
		1	7	21.67	21.55	21.95	22
		1	14	21.59	21.53	21.89	22
	16QAM	8	0	20.63	20.57	20.74	21
		8	4	20.58	20.59	20.69	21
		8	7	20.54	20.54	20.66	21
		15	0	20.46	20.58	20.64	21
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Banawiath	Wodalation	IND SIZE	offset	131997	132322	132647	·
		1	0	22.79	22.66	22.7	23
		1	13	22.7	22.58	22.68	23
		1	24	22.65	22.57	22.63	23
5MHz	QPSK	12	0	21.75	21.59	21.69	22
VIIII IZ		12	6	21.63	21.55	21.71	22
		12	13	21.66	21.56	21.65	22
		25	0	21.67	21.56	21.69	22
	16QAM	1	0	21.86	21.83	21.96	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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CMD.Doccheck@ags.com

No.1 Workshop, M-II, Middle Section, Science & Technology Pat, Nanshan Districk, Shenzhen, Guengtong, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 63 of 148

	I	1 4	۱ ،	04.05		04.00	00
		1	13	21.95	21.77	21.96	22
		1	24	21.84	21.73	21.96	22
		12	0	20.74	20.52	20.74	21
		12	6	20.65	20.52	20.7	21
		12	13	20.67	20.53	20.71	21
		25	0	20.64	20.53	20.71	21
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Banawiath	Wioddiation	110 3120	offset	132022	132322	132622	Tune up
		1	0	22.14	22.09	22.02	23
		1	25	22.63	22.57	22.65	23
		1	49	22.77	23.01	23.04	23
	QPSK	25	0	21.62	21.53	21.57	22
		25	13	21.67	21.63	21.67	22
		25	25	21.73	21.73	21.74	22
408411-		50	0	21.65	21.56	21.69	22
10MHz		1	0	21.39	21.14	20.85	22
	16QAM	1	25	21.8	21.67	21.43	22
		1	49	21.88	22.04	21.79	22
		25	0	20.68	20.59	20.52	21
100/11/1	25	13	20.78	20.64	20.71	21	
		25	25	20.8	20.76	20.71	21
		50	0	20.7	20.58	20.69	21
			RB	Channel	Channel	Channel	
Bandwidth	Modulation	RB size	offset	132047	132322	132597	Tune up
		1	0	22.86	22.94	22.87	23
		1	38	22.64	22.59	22.41	23
		1	74	22.35	22.75	22.63	23
	QPSK	36	0	21.78	21.61	21.52	22
		36	18	21.66	21.53	21.42	22
		36	39	21.49	21.46	21.37	22
		75	0	21.68	21.51	21.46	22
15MHz		1	0	21.69	21.99	21.82	22
		1	38	21.85	21.62	21.44	22
		1	74	21.51	21.88	21.66	22
	16QAM	36	0	20.79	20.58	20.54	21
	IOQAW	36	18	20.79	20.47	20.43	21
		36	39	20.47	20.47	20.43	21
							+
		75	0	20.66	20.48	20.5	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
			UllSet	132072	132322	132572	



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 is structions, if any. The Company's observed responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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-10, Middle Section, Science & Bednadogy Part, Narshan District, Shenzhien, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 64 of 148

		1	0	22.61	22.54	22.51	23
		1	50	22.44	22.7	22.44	23
		1	99	21.98	22.89	22.63	23
	QPSK	50	0	21.44	21.45	21.47	22
		50	25	21.42	21.48	21.46	22
		50	50	21.49	21.56	21.48	22
20MHz		100	0	21.56	21.55	21.5	22
ZUIVITZ		1	0	21.76	21.32	21.24	22
		1	50	21.69	21.45	21.11	22
	16QAM	1	99	21.19	21.75	21.35	22
		50	0	20.57	20.42	20.53	21
		50	25	20.51	20.47	20.49	21
		50	50	20.57	20.52	20.52	21
		100	0	20.56	20.54	20.54	21

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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"

Sample(s) are retailed for 30 days Only.

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

No.1 Workshop, Nr.10, Middle Section, Science & Technology Part, Narshan District, Shenzhen, 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株1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.cchina@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 65 of 148

	LTE Band 7	'1			Conduct	ed Power(dBm))
Bandwidth	Modulation	RB size	RB offset	Channel 133147	Channel 133297	Channel 133447	Tune up
		1	0	23	23.06	22.91	23.5
		1	13	23.08	22.97	22.88	23.5
		1	24	22.86	22.92	22.72	23.5
	QPSK	12	0	22	22.05	21.95	22.5
		12	6	22.01	22.01	21.92	22.5
		12	13	21.91	22.04	21.9	22.5
		25	0	22	22.04	21.91	22.5
5MHz		1	0	22.21	22.24	22.12	22.5
		1	13	22.42	22.2	22.14	22.5
		1	24	22.12	22.18	22.02	22.5
	16QAM	12	0	21.02	21.03	20.96	21.5
		12	6	20.99	20.93	21	21.5
		12	13	20.9	20.95	20.91	21.5
		25	0	21	20.98	20.9	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tungun
Bandwidth	Modulation	RB Size	offset	133172	133297	133422	Tune up
		1	0	23.44	23.36	23.22	23.5
		1	25	23.25	23.09	22.94	23.5
		1	49	23.16	23.01	22.64	23.5
	QPSK	25	0	22.27	22.12	21.99	22.5
		25	13	22.2	22.06	21.93	22.5
		25	25	22.07	21.98	21.89	22.5
10MHz		50	0	22.23	22.1	21.99	22.5
IOWINZ		1	0	22.39	22.52	22.36	22.5
		1	25	22.08	22.13	22.09	22.5
		1	49	21.97	22.19	21.67	22.5
	16QAM	25	0	21.2	21.24	21.01	21.5
		25	13	21.17	21.1	20.99	21.5
		25	25	21.03	21.09	20.89	21.5
		50	0	21.19	21.08	20.96	21.5



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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.1Workshop, k-In, Middle-Section, Scienze & Technology Part, Manshan District, 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株1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 66 of 148

Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Danuwium	iviodulation	KD SIZE	offset	133197	133297	133397	Turie up
		1	0	23.32	23.35	23.36	23.5
		1	38	22.83	22.79	22.81	23.5
		1	74	23.02	22.9	22.77	23.5
	QPSK	36	0	22.26	22.21	22.2	22.5
		36	18	21.98	21.89	21.88	22.5
		36	39	21.88	21.8	21.75	22.5
15MHz		75	0	22.08	22.02	21.89	22.5
IOMIC		1	0	22.45	22.43	22.43	22.5
		1	38	22.04	21.95	21.93	22.5
		1	74	22.21	22.01	21.75	22.5
	16QAM	36	0	21.27	21.19	21.17	21.5
		36	18	21	20.88	20.86	21.5
		36	39	20.85	20.84	20.76	21.5
		75	0	21.07	20.94	20.93	21.5
Bandwidth	Modulation	RB size	RB	Channel	Channel	Channel	Tune up
Bandwidth	Modulation	ND SIZE	offset	133222	133297	133372	Turie up
		1	0	22.94	23	22.92	23.5
		1	50	22.75	22.83	22.71	23.5
		1	99	22.58	22.59	22.54	23.5
	QPSK	50	0	22.29	22.39	22.17	22.5
		50	25	22	21.91	21.89	22.5
		50	50	21.79	21.84	21.75	22.5
20MHz		100	0	22.01	22.03	21.89	22.5
ZUIVITZ		1	0	22.09	21.78	21.76	22.5
		1	50	21.91	21.68	21.44	22.5
		1	99	21.74	21.42	21.39	22.5
	16QAM	50	0	21.32	21.17	21.14	21.5
		50	25	20.92	20.86	20.84	21.5
		50	50	20.78	20.81	20.74	21.5
		100	0	21.06	21.02	20.88	21.5



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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM_Doccheck@ags.com

No.1 Workshop, Mrit, Middle Section, Science & Technology Pat, Nanshan District, Shenzhan, Guangtong, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 67 of 148

7.1.2 Conducted Power Of Wi-Fi

Mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
	1	2412		16.32	17
802.11b	6	2437	1	16.39	17
	11	2462		16.48	17
	1	2412		15.00	16
802.11g	6	2437	6	15.09	16
	11	2462		15.15	16
	1	2412		14.76	15
802.11n HT20 SISO	6	2437	6.5	14.78	15
	11	2462		14.80	15
	3	2422		14.87	16
802.11nHT40 SISO	6	2437	13.5	15.25	16
	9	2452		15.13	16

Note:

- a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
- b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
- 1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
- 2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.
- c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.



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) 83071443,



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 68 of 148

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
		36	5180		14.42	15
	U-NII-1	40	5200		14.61	15
		48	5240		14.39	15
		52	5260		14.57	15
	U-NII-2A	60	5300		14.64	15
802.11a		64	5320	6	14.62	15
002.11a		100	5500	0	14.2	16
	U-NII-2C	116	5580		14.45	16
		140	5700		15.35	16
		149	5745		15.21	16
	U-NII-3	157	5785		14.87	16
		165	5825		14.84	16
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
		36	5180		14.64	15
	U-NII-1 40 5200				14.68	15
		48	5240		14.1	15
	U-NII-2A	52	5260		14.62	15
		60	5300		14.7	15
802.11n-HT20		64	5320	MCS0	13.92	15
002.1111-1120		100	5500	IVICSU	14.23	15
	U-NII-2C	116	5580		14.49	15
		140	5700		14.01	15
		149	5745		15.28	16
	U-NII-3	157	5785		14.9	16
		165	5825		14.33	16
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
	U-NII-1	38	5190		13.23	14
	U-INII- I	46	5230		15.18	16
	U-NII-2A	54	5270		15.52	16
	U-INII-ZA	62	5310		15.26	16
802.11n-HT40		102	5510	MCS0	15.77	16
	U-NII-2C	110	5550		15.04	16
		134	5670		15.75	16
	U-NII-3	151	5755		15.41	16
	U-INII-3	159	5795		15.34	16



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CMD.Doccheck@ags.com

No.1 Workshop, M-10, Middle Section, Science & Technology Part, Nanshan District, Shenzhan, Guangtong, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 69 of 148

5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
		36	5180		15.17	16
	U-NII-1	40	5200	1	15.26	16
		48	5240		14.63	16
		52	5260		15.1	16
	U-NII-2A	60	5300		15.22	16
802.11ac		64	5320	MCCO	14.9	16
20M		100	5500	MCS0	14.66	16
	U-NII-2C	116	5580		14.96	16
		140	5700		15.42	16
		149	5745		15.75	16
	U-NII-3	157	5785		15.4	16
		165	5825		14.92	16
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
	U-NII-1	38	5190		13.43	14
	O-INII- I	46	5230		15.57	16
	U-NII-2A	54	5270		15.91	16
802.11ac	U-INII-ZA	62	5310		14.92	16
40M		102	5510	MCS0	15.96	17
40101	U-NII-2C	110	5550		15.83	17
		134	5670		16.24	17
	U-NII-3	151	5755	-	16.36	17
	0-1111-5	159	5795		16.24	17
5GHz	mode	Channel	Frequency(MHz)	Data Rate(Mbps)	Average Power (dBm)	Tune up
	U-NII-1	42	5210		13.68	14
802.11ac	U-NII-2A	58	5290		13.88	14
802.11ac 80M	U-NII-2C	106	5530	MCS0	13.87	15
OUIVI	U-MII-ZC	122	5610		14.24	15
	U-NII-3	155	5775		15.12	16



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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.1Workshop, k-In, Middle-Section, Scienze & Technology Part, Manshan District, 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株1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 70 of 148

7.1.3 Conducted Power Of BT

	ВТ			_
Modulation	Channel	Frequency(MHz)	Average Conducted Power(dBm)	Tune up (dBm)
	0	2402	7.32	9
GFSK	39	2441	8.53	10
	78	2480	9.12	11
	0	2402	8.23	9
π/4DQPSK	39	2441	9.42	10
	78	2480	10.02	11
	0	2402	8.36	9
8DPSK	39	2441	9.56	10
	78	2480	10.04	11

	BLE			
Modulation	Channel	Frequency(MHz)	Average Conducted Power(dBm)	Tune up (dBm)
	0	2402	0.35	2
GFSK	19	2440	1.23	2
	39	2480	1.2	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 sindings at the time of its intervention only and within the limits of Client is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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, M-10, Middle Section, Science & Technology Part, Nanshan District, Shenzhien, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.s.gsgroup.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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 71 of 148

7.2 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.

WiFi 2.4G:

1) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is \leq 1.2 W/kg, SAR test for the other 802.11 modes are not required.

WiFi 5G:

1) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.





SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 72 of 148

7.2.1 SAR Result Of LTE Band 2

7.2.1 SAR	Result Of LIE	Dunu 2		LTE	Band 2 S	AR Test R	ecord						
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power Drift (dB)	Conducted power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR (W/kg) 1-g	Scaled SAR (W/kg) 10-g	Liquid Temp.	SAR limit (W/kg)
				Body	Test data	(Separate	10mm)						
Front side	20M_QPSK 1RB_0	18900/1880	1:1	0.079	0.041	0.02	23.1	23.5	1.094	0.086	0.045	22.3	1.6
Front side	20M_QPSK 50RB_0	18900/1880	1:1	0.065	0.032	0.09	22.0	23.0	1.259	0.082	0.040	22.3	1.6
Back side	20M_QPSK 1RB_0	18900/1880	1:1	0.213	0.113	0.03	23.1	23.5	1.094	0.233	0.124	22.3	1.6
Back side	20M_QPSK 50RB_0	18900/1880	1:1	0.139	0.078	-0.12	22.0	23.0	1.259	0.175	0.098	22.3	1.6
Left side	20M_QPSK 1RB_0	18900/1880	1:1	0.057	0.033	0.03	23.1	23.5	1.094	0.062	0.036	22.3	1.6
Left side	20M_QPSK 50RB_0	18900/1880	1:1	0.048	0.022	0.16	22.0	23.0	1.259	0.060	0.028	22.3	1.6
Right side	20M_QPSK 1RB_0	18900/1880	1:1	0.148	0.085	-0.14	23.1	23.5	1.094	0.162	0.093	22.3	1.6
Right side	20M_QPSK 50RB_0	18900/1880	1:1	0.126	0.071	0.19	22.0	23.0	1.259	0.159	0.089	22.3	1.6
Top side	20M_QPSK 1RB_0	18900/1880	1:1	0.031	0.015	0.03	23.1	23.5	1.094	0.034	0.016	22.3	1.6
Top side	20M_QPSK 50RB_0	18900/1880	1:1	0.024	0.012	0.18	22.0	23.0	1.259	0.030	0.015	22.3	1.6
Bottom side	20M_QPSK 1RB_0	18900/1880	1:1	0.096	0.044	-0.13	23.1	23.5	1.094	0.105	0.049	22.3	1.6
Bottom side	20M_QPSK 50RB_0	18900/1880	1:1	0.078	0.036	0.03	22.0	23.0	1.259	0.098	0.045	22.3	1.6
Back side	20M_QPSK 1RB_0	18700/1860	1:1	0.198	0.088	0.06	22.9	23.5	1.146	0.227	0.101	22.3	1.6
Back side	20M_QPSK 1RB_0	19100/1900	1:1	0.186	0.075	0.11	23.1	23.5	1.096	0.204	0.082	22.3	1.6
			Body Te	est data at t	he worst c	ase with SI	M2(Separate 10	mm)					
Back side	20M_QPSK 1RB_0	18900/1880	1:1	0.189	0.099	0.09	23.1	23.5	1.094	0.207	0.108	22.3	1.6
				Extren	nity Test da	ata(Separa	te 0mm)						
Front side	20M_QPSK 1RB_0	18900/1880	1:1	0.328	0.173	0.06	23.1	23.5	1.094	0.359	0.189	22.3	4
Front side	20M_QPSK 50RB_0	18900/1880	1:1	0.267	0.140	-0.07	22.0	23.0	1.259	0.336	0.176	22.3	4
Back side	20M_QPSK 1RB_0	18900/1880	1:1	0.591	0.293	0.08	23.1	23.5	1.094	0.647	0.321	22.3	4
Back side	20M_QPSK 50RB_0	18900/1880	1:1	0.477	0.235	0.05	22.0	23.0	1.259	0.601	0.296	22.3	4
Left side	20M_QPSK 1RB_0	18900/1880	1:1	0.214	0.104	0.15	23.1	23.5	1.094	0.234	0.114	22.3	4
Left side	20M_QPSK 50RB_0	18900/1880	1:1	0.173	0.084	0.1	22.0	23.0	1.259	0.218	0.106	22.3	4
Right side	20M_QPSK 1RB_0	18900/1880	1:1	0.703	0.337	-0.04	23.1	23.5	1.094	0.769	0.369	22.3	4
Right side	20M_QPSK 50RB_0	18900/1880	1:1	0.571	0.277	0.09	22.0	23.0	1.259	0.719	0.349	22.3	4
Top side	20M_QPSK 1RB_0	18900/1880	1:1	0.075	0.034	0.19	23.1	23.5	1.094	0.082	0.037	22.3	4
Top side	20M_QPSK 50RB_0	18900/1880	1:1	0.068	0.029	-0.08	22.0	23.0	1.259	0.086	0.037	22.3	4
Bottom side	20M_QPSK 1RB_0	18900/1880	1:1	0.309	0.168	0.17	23.1	23.5	1.094	0.338	0.184	22.3	4
Bottom side	20M_QPSK 50RB_0	18900/1880	1:1	0.297	0.162	-0.16	22.0	23.0	1.259	0.374	0.204	22.3	4
Right side	20M_QPSK 1RB_0	18700/1860	1:1	0.675	0.315	0.08	22.9	23.5	1.146	0.773	0.361	22.3	4
Right side	20M_QPSK 1RB_0	19100/1900	1:1	0.674	0.314	-0.18	23.1	23.5	1.096	0.739	0.344	22.3	4
	•	•	Extremity	Test data	at the wors	t case with	SIM2(Separate	0mm)		•	•		
Right side	20M_QPSK 1RB_0	18900/1880	1:1	0.7	0.331	-0.16	23.1	23.5	1.094	0.766	0.362	22.3	4



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-75) 8307 1443, or email: CMD.Doccheck@ags.com

No.1 Workshop, M-II, Middle Section, Science & Technology Pat, Nanshan Districk, Shenzhen, Guengtong, 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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 73 of 148

7.2.2 SAR Result Of LTE Band 4

				LTE	Band 4 SA	R Test Re							
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power Drift (dB)	conduc ted power (dBm)	Tune up Limit (dBm)	Scale d factor	Scaled SAR (W/kg) 1-g	Scaled SAR (W/kg) 10-g	Liquid Temp.	SAR limit (W/kg)
	OOM ODEK	T	ı	Body	/ Test data(Separate 10	Omm)	ı	1	l		1	
Front side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.157	0.101	-0.03	22.65	23	1.084	0.170	0.109	22.2	1.6
Front side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.146	0.086	-0.07	21.53	22	1.114	0.163	0.096	22.2	1.6
Back side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.670	0.383	-0.16	22.65	23	1.084	0.726	0.415	22.2	1.6
Back side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.621	0.316	-0.03	21.53	22	1.114	0.692	0.352	22.2	1.6
Left side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.148	0.087	-0.04	22.65	23	1.084	0.160	0.094	22.2	1.6
Left side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.116	0.072	-0.17	21.53	22	1.114	0.129	0.080	22.2	1.6
Right side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.321	0.19	-0.09	22.65	23	1.084	0.348	0.206	22.2	1.6
Right side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.286	0.167	-0.1	21.53	22	1.114	0.319	0.186	22.2	1.6
Top side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.064	0.029	0.16	22.65	23	1.084	0.069	0.031	22.2	1.6
Top side	20M_QPSK 50RB 0	20175/1732.5	1:1	0.046	0.011	-0.11	21.53	22	1.114	0.051	0.012	22.2	1.6
Bottom side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.356	0.209	0.17	22.65	23	1.084	0.386	0.227	22.2	1.6
Bottom side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.311	0.111	-0.08	21.53	22	1.114	0.347	0.124	22.2	1.6
Back side	20M_QPSK 1RB_50	20300/1745	1:1	0.638	0.368	0.05	22.52	23	1.117	0.713	0.411	22.2	1.6
Back side	20M_QPSK 1RB_50	20050/1720	1:1	0.342	0.371	-0.09	22.49	23	1.125	0.385	0.417	22.2	1.6
•		-1	Body T	est data at t	the worst ca	se with SIM	12(Separate	10mm)	•	ı			
Back side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.659	0.374	0.17	22.65	23	1.084	0.714	0.405	22.2	1.6
				Extrer	nity Test da	a(Separate	0mm)			1			
Front side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.73	0.422	0.14	22.65	23	1.084	0.791	0.457	22.2	4
Front side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.689	0.398	0.09	21.53	22	1.114	0.768	0.443	22.2	4
Back side	20M_QPSK 1RB_50	20175/1732.5	1:1	2.05	1.03	-0.07	22.65	23	1.084	2.222	1.116	22.2	4
Back side	20M_QPSK 50RB_0	20175/1732.5	1:1	1.87	0.972	-0.15	21.53	22	1.114	2.084	1.083	22.2	4
Left side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.351	0.192	-0.09	22.65	23	1.084	0.380	0.208	22.2	4
Left side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.336	0.179	-0.08	21.53	22	1.114	0.374	0.199	22.2	4
Right side	20M_QPSK 1RB_50	20175/1732.5	1:1	1.23	0.648	-0.1	22.65	23	1.084	1.333	0.702	22.2	4
Right side	20M_QPSK 50RB_0	20175/1732.5	1:1	1.12	0.621	-0.17	21.53	22	1.114	1.248	0.692	22.2	4
Top side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.112	0.052	-0.12	22.65	23	1.084	0.121	0.056	22.2	4
Top side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.101	0.049	0.08	21.53	22	1.114	0.113	0.055	22.2	4
Bottom side	20M_QPSK 1RB_50	20175/1732.5	1:1	0.864	0.512	-0.15	22.65	23	1.084	0.937	0.555	22.2	4
Bottom side	20M_QPSK 50RB_0	20175/1732.5	1:1	0.842	0.489	0.02	21.53	22	1.114	0.938	0.545	22.2	4
Back side	20M_QPSK 1RB_50	20300/1745	1:1	1.86	0.875	0.14	22.52	23	1.117	2.077	0.977	22.2	4
Back side	20M_QPSK 1RB_50	20050/1720	1:1	1.89	0.889	-0.09	22.49	23	1.125	2.126	1.000	22.2	4
<u> </u>			Extremity	Test data	at the worst	case with S	SIM2(Separa	te 0mm)					
Back side	20M_QPSK 1RB_50	20175/1732.5	1:1	2.01	0.999	0.11	22.65	23	1.084	2.179	1.083	22.2	4



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or or mail: CM. Doccheck@ags.com

No.1 Workshop, M-10, Middle Section, Science & Technology Part, Nanshan District, Sherzhan, 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株1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 74 of 148

7.2.3 SAR Result Of LTE Band 5

				LT	E Band 5	SAR Test F	Record						
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power Drift (dB)	Conducted power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR (W/kg) 1-g	Scaled SAR (W/kg) 10-g	Liquid Temp.	SAR limit (W/kg)
				Bod	y Test data	(Separate	10mm)						
Front side	10M_QPSK 1RB_0	20525/836.5	1:1	0.112	0.078	0.14	23.1	23.5	1.096	0.123	0.086	22.1	1.6
Front side	10M_QPSK 25RB_0	20525/836.5	1:1	0.101	0.064	0.09	22.32	23.0	1.169	0.118	0.075	22.1	1.6
Back side	10M_QPSK 1RB_0	20525/836.5	1:1	0.361	0.204	0.05	23.1	23.5	1.096	0.396	0.224	22.1	1.6
Back side	10M_QPSK 25RB_0	20525/836.5	1:1	0.336	0.176	0.04	22.32	23.0	1.169	0.393	0.206	22.1	1.6
Left side	10M_QPSK 1RB_0	20525/836.5	1:1	0.045	0.023	0.05	23.1	23.5	1.096	0.049	0.025	22.1	1.6
Left side	10M_QPSK 25RB_0	20525/836.5	1:1	0.031	0.019	-0.13	22.32	23.0	1.169	0.036	0.022	22.1	1.6
Right side	10M_QPSK 1RB_0	20525/836.5	1:1	0.062	0.043	0.16	23.1	23.5	1.096	0.068	0.047	22.1	1.6
Right side	10M_QPSK 25RB_0	20525/836.5	1:1	0.041	0.026	0.09	22.32	23.0	1.169	0.048	0.030	22.1	1.6
Top side	10M_QPSK 1RB_0	20525/836.5	1:1	0.010	0.003	-0.04	23.1	23.5	1.096	0.011	0.003	22.1	1.6
Top side	10M_QPSK 25RB_0	20525/836.5	1:1	0.005	0.001	0.08	22.32	23.0	1.169	0.006	0.001	22.1	1.6
Bottom side	10M_QPSK 1RB_0	20525/836.5	1:1	0.181	0.111	-0.16	23.1	23.5	1.096	0.198	0.122	22.1	1.6
Bottom side	10M_QPSK 25RB_0	20525/836.5	1:1	0.168	0.101	-0.06	22.32	23.0	1.169	0.196	0.118	22.1	1.6
Back side	10M_QPSK 1RB_0	20450/829	1:1	0.168	0.101	-0.19	23.09	23.5	1.099	0.185	0.111	22.1	1.6
Back side	10M_QPSK 1RB_0	20600/844	1:1	0.168	0.101	0.11	23.04	23.5	1.112	0.187	0.112	22.1	1.6
			Body T	est data at	the worst c	ase with SI	M2(Separate 10	mm)	•	•	•		
Back side	10M_QPSK 1RB_0	20525/836.5	1:1	0.354	0.198	0.11	23.1	23.5	1.096	0.388	0.217	22.1	1.6
			•	Extre	mity Test d	ata(Separa	te 0mm)		•	•	•		
Front side	10M_QPSK 1RB_0	20525/836.5	1:1	0.32	0.209	-0.18	23.10	23.5	1.096	0.351	0.229	22.1	4
Front side	10M_QPSK 25RB_0	20525/836.5	1:1	0.298	0.175	0.07	22.32	23.0	1.169	0.349	0.205	22.1	4
Back side	10M_QPSK 1RB_0	20525/836.5	1:1	0.871	0.451	0.01	23.10	23.5	1.096	0.955	0.495	22.1	4
Back side	10M_QPSK 25RB_0	20525/836.5	1:1	0.854	0.446	0.14	22.32	23.0	1.169	0.999	0.522	22.1	4
Left side	10M_QPSK 1RB_0	20525/836.5	1:1	0.84	0.43	-0.08	23.10	23.5	1.096	0.921	0.471	22.1	4
Left side	10M_QPSK 25RB_0	20525/836.5	1:1	0.831	0.428	0.18	22.32	23.0	1.169	0.972	0.501	22.1	4
Right side	10M_QPSK 1RB_0	20525/836.5	1:1	0.162	0.096	-0.15	23.10	23.5	1.096	0.178	0.105	22.1	4
Right side	10M_QPSK 25RB_0	20525/836.5	1:1	0.154	0.085	-0.16	22.32	23.0	1.169	0.180	0.099	22.1	4
Top side	10M_QPSK 1RB_0	20525/836.5	1:1	0.031	0.014	-0.06	23.10	23.5	1.096	0.034	0.015	22.1	4
Top side	10M_QPSK 25RB_0	20525/836.5	1:1	0.028	0.011	0.11	22.32	23.0	1.169	0.033	0.013	22.1	4
Bottom side	10M_QPSK 1RB_0	20525/836.5	1:1	0.701	0.403	0.16	23.10	23.5	1.096	0.769	0.442	22.1	4
Bottom side	10M_QPSK 25RB_0	20525/836.5	1:1	0.684	0.385	0.17	22.32	23.0	1.169	0.800	0.450	22.1	4
Back side	10M_QPSK 25RB_0	20450/829	1:1	0.871	0.453	0.01	22.16	23.0	1.213	1.057	0.550	22.1	4
Back side	10M_QPSK 25RB_0	20600/844	1:1	0.842	0.437	0.14	22.10	23.0	1.230	1.036	0.538	22.1	4
			Extremity	/ Test data	at the wors	st case with	SIM2(Separate	0mm)					
Back side	10M_QPSK 25RB_0	20450/829	1:1	0.862	0.45	0.19	22.16	23.0	1.213	1.046	0.546	22.1	4



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or or mail: CM. Doccheck@ags.com

No.1 Workshop, M-10, Middle Section, Science & Technology Part, Nanshan District, Sherzhan, 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株1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 75 of 148

7.2.4 SAR Result Of LTE Band 7

				LTE Ba	and 7 SAR	Test Reco	ord						
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power Drift (dB)	Conducted power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR (W/kg) 1-g	Scaled SAR (W/kg) 10-g	Liquid Temp.	SAR limit (W/kg)
				Body Te	est data(Se	parate 10r	nm)						
Front side	20M_QPSK 1RB_0	20850/2510	1:1	0.042	0.012	0.03	23.10	23.50	1.096	0.046	0.013	22.1	1.6
Front side	20M_QPSK 50RB_0	20850/2510	1:1	0.031	0.010	-0.13	21.99	23.00	1.262	0.039	0.013	22.1	1.6
Back side	20M_QPSK 1RB_0	20850/2510	1:1	0.500	0.250	-0.03	23.10	23.50	1.096	0.548	0.274	22.1	1.6
Back side	20M_QPSK 50RB_0	20850/2510	1:1	0.486	0.242	0.09	21.99	23.00	1.262	0.613	0.305	22.1	1.6
Left side	20M_QPSK 1RB_0	20850/2510	1:1	0.047	0.019	-0.16	23.10	23.50	1.096	0.052	0.020	22.1	1.6
Left side	20M_QPSK 50RB_0	20850/2510	1:1	0.035	0.010	0.16	21.99	23.00	1.262	0.044	0.013	22.1	1.6
Right side	20M_QPSK 1RB_0	20850/2510	1:1	0.152	0.085	-0.17	23.10	23.50	1.096	0.167	0.093	22.1	1.6
Right side	20M_QPSK 50RB_0	20850/2510	1:1	0.143	0.069	-0.1	21.99	23.00	1.262	0.180	0.087	22.1	1.6
Top side	20M_QPSK 1RB_0	20850/2510	1:1	0.032	0.013	0.06	23.10	23.50	1.096	0.035	0.014	22.1	1.6
Top side	20M_QPSK 50RB_0	20850/2510	1:1	0.028	0.009	0.13	21.99	23.00	1.262	0.035	0.011	22.1	1.6
Bottom side	20M_QPSK 1RB_0	20850/2510	1:1	0.212	0.104	-0.11	23.10	23.50	1.096	0.232	0.114	22.1	1.6
Bottom side	20M_QPSK 50RB_0	20850/2510	1:1	0.201	0.086	0.11	21.99	23.00	1.262	0.254	0.109	22.1	1.6
Back side	20M_QPSK 50RB_0	21100/2535.5	1:1	0.473	0.236	0.17	21.89	23.00	1.291	0.611	0.305	22.1	1.6
Back side	20M_QPSK 50RB_0	21350/2560	1:1	0.462	0.222	-0.13	21.80	23.00	1.318	0.609	0.293	22.1	1.6
L.		В	ody Test o	data at the	worst case	with SIM2	(Separate 10m)	m)	1		I.		
Back side	20M_QPSK 50RB_0	20850/2510	1:1	0.482	0.24	-0.06	21.99	23.00	1.262	0.608	0.303	22.1	1.6
'			l.	Extremity	Test data	Separate (Omm)		•	•	•	•	
Front side	20M_QPSK 1RB_0	20850/2510	1:1	0.294	0.154	0.03	23.10	23.50	1.096	0.322	0.169	22.1	4
Front side	20M_QPSK 50RB_0	20850/2510	1:1	0.286	0.149	-0.19	21.99	23.00	1.262	0.361	0.188	22.1	4
Back side	20M_QPSK 1RB_0	20850/2510	1:1	1.57	0.725	-0.12	23.10	23.50	1.096	1.721	0.795	22.1	4
Back side	20M_QPSK 50RB_0	20850/2510	1:1	1.45	0.716	0.08	21.99	23.00	1.262	1.830	0.903	22.1	4
Left side	20M_QPSK 1RB_0	20850/2510	1:1	0.114	0.051	-0.05	23.10	23.50	1.096	0.125	0.056	22.1	4
Left side	20M_QPSK 50RB_0	20850/2510	1:1	0.108	0.046	-0.16	21.99	23.00	1.262	0.136	0.058	22.1	4
Right side	20M_QPSK 1RB_0	20850/2510	1:1	0.738	0.357	-0.03	23.10	23.50	1.096	0.809	0.391	22.1	4
Right side	20M_QPSK 50RB_0	20850/2510	1:1	0.726	0.349	-0.07	21.99	23.00	1.262	0.916	0.440	22.1	4
Top side	20M_QPSK 1RB_0	20850/2510	1:1	0.087	0.046	0.09	23.10	23.50	1.096	0.095	0.050	22.1	4
Top side	20M_QPSK 50RB_0	20850/2510	1:1	0.076	0.039	0.1	21.99	23.00	1.262	0.096	0.049	22.1	4
Bottom side	20M_QPSK 1RB_0	20850/2510	1:1	1.49	0.616	-0.01	23.10	23.50	1.096	1.634	0.675	22.1	4
Bottom side	20M_QPSK 50RB_0	20850/2510	1:1	1.35	0.598	-0.15	21.99	23.00	1.262	1.703	0.755	22.1	4
Back side	20M_QPSK 50RB_0	21100/2535.5	1:1	1.46	0.698	0.19	21.89	23.00	1.291	1.885	0.901	22.1	4
Back side	20M_QPSK 50RB_0	21350/2560	1:1	1.33	0.676	-0.05	21.80	23.00	1.318	1.753	0.891	22.1	4
		Ext	remity Te	st data at t	he worst ca	ase with SI	M2(Separate 0r	nm)	•	•		•	-
Back side	20M_QPSK 50RB_0	20850/2510	1:1	1.45	0.71	0.03	21.99	23.00	1.262	1.830	0.896	22.1	4



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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, M-10, Middle Section, Science & Technology Part, Nanshan District, Shenzhien, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.s.gsgroup.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



SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200035201

Page: 76 of 148

7.2.5 SAR Result Of LTE Band 12

				LTE Bar	nd 12 SAR	Test Reco	ord						
Test position	Test mode	Test Ch./Freq.	Duty Cycle	SAR (W/kg) 1-g	SAR (W/kg) 10-g	Power Drift (dB)	Conducted power (dBm)	Tune up Limit (dBm)	Scaled factor	Scaled SAR (W/kg) 1-g	Scaled SAR (W/kg) 10-g	Liquid Temp.	SAR limit (W/kg)
				Body Te	st data(Sep	parate 10m	ım)						
Front side	10M_QPSK 1RB_0	23060/704	1:1	0.087	0.063	0.06	23.01	23.5	1.119	0.098	0.070	22.1	1.6
Front side	10M_QPSK 25RB_0	23060/704	1:1	0.079	0.056	-0.07	21.91	22.5	1.146	0.090	0.064	22.1	1.6
Back side	10M_QPSK 1RB_0	23060/704	1:1	0.140	0.110	-0.02	23.01	23.5	1.119	0.157	0.123	22.1	1.6
Back side	10M_QPSK 25RB_0	23060/704	1:1	0.132	0.101	-0.1	21.91	22.5	1.146	0.151	0.116	22.1	1.6
Left side	10M_QPSK 1RB_0	23060/704	1:1	0.071	0.050	0.09	23.01	23.5	1.119	0.080	0.056	22.1	1.6
Left side	10M_QPSK 25RB_0	23060/704	1:1	0.064	0.038	0.09	21.91	22.5	1.146	0.073	0.044	22.1	1.6
Right side	10M_QPSK 1RB_0	23060/704	1:1	0.115	0.079	-0.15	23.01	23.5	1.119	0.129	0.089	22.1	1.6
Right side	10M_QPSK 25RB_0	23060/704	1:1	0.098	0.065	0.01	21.91	22.5	1.146	0.112	0.074	22.1	1.6
Top side	10M_QPSK 1RB_0	23060/704	1:1	0.023	0.009	-0.02	23.01	23.5	1.119	0.026	0.010	22.1	1.6
Top side	10M_QPSK 25RB_0	23060/704	1:1	0.015	0.002	-0.04	21.91	22.5	1.146	0.017	0.002	22.1	1.6
Bottom side	10M_QPSK 1RB_0	23060/704	1:1	0.058	0.034	0.17	23.01	23.5	1.119	0.065	0.038	22.1	1.6
Bottom side	10M_QPSK 25RB_0	23060/704	1:1	0.058	0.034	-0.07	21.91	22.5	1.146	0.067	0.039	22.1	1.6
Back side	10M_QPSK 1RB_0	23095/707.5	1:1	0.134	0.098	-0.04	22.94	23.5	1.138	0.152	0.111	22.1	1.6
Back side	10M_QPSK 1RB_0	23130/711	1:1	0.131	0.095	0.16	22.98	23.5	1.127	0.148	0.107	22.1	1.6
		Во	dy Test d	ata at the v	vorst case	with SIM2	Separate 10mm	1)	I	I.		I	
Back side	10M_QPSK 1RB_0	23060/704	1:1	0.139	0.109	-0.06	23.01	23.5	1.119	0.156	0.122	22.1	1.6
				Extremity	Test data(S	Separate 0	mm)			•		•	
Front side	10M_QPSK 1RB_0	23060/704	1:1	0.163	0.104	-0.01	23.01	23.5	1.119	0.182	0.116	22.1	4
Front side	10M_QPSK 25RB_0	23060/704	1:1	0.159	0.098	-0.11	21.91	22.5	1.146	0.182	0.112	22.1	4
Back side	10M_QPSK 1RB_0	23060/704	1:1	0.487	0.273	-0.1	23.01	23.5	1.119	0.545	0.306	22.1	4
Back side	10M_QPSK 25RB_0	23060/704	1:1	0.472	0.262	-0.19	21.91	22.5	1.146	0.541	0.300	22.1	4
Left side	10M_QPSK 1RB_0	23060/704	1:1	0.214	0.122	-0.16	23.01	23.5	1.119	0.240	0.137	22.1	4
Left side	10M_QPSK 25RB_0	23060/704	1:1	0.198	0.116	-0.01	21.91	22.5	1.146	0.227	0.133	22.1	4
Right side	10M_QPSK 1RB_0	23060/704	1:1	0.097	0.060	0.11	23.01	23.5	1.119	0.109	0.067	22.1	4
Right side	10M_QPSK 25RB_0	23060/704	1:1	0.085	0.051	-0.13	21.91	22.5	1.146	0.097	0.058	22.1	4
Top side	10M_QPSK 1RB_0	23060/704	1:1	0.034	0.016	-0.19	23.01	23.5	1.119	0.038	0.018	22.1	4
Top side	10M_QPSK 25RB_0	23060/704	1:1	0.029	0.009	-0.09	21.91	22.5	1.146	0.033	0.010	22.1	4
Bottom side	10M_QPSK 1RB_0	23060/704	1:1	0.292	0.164	0.07	23.01	23.5	1.119	0.327	0.184	22.1	4
Bottom side	10M_QPSK 25RB_0	23060/704	1:1	0.275	0.153	0.1	21.91	22.5	1.146	0.315	0.175	22.1	4
Back side	10M_QPSK 1RB_0	23095/707.5	1:1	0.476	0.262	-0.09	22.94	23.5	1.138	0.542	0.298	22.1	4
Back side	10M_QPSK 1RB_0	23130/711	1:1	0.472	0.255	-0.05	22.98	23.5	1.127	0.532	0.287	22.1	4
		Extr	emity Tes	t data at th	e worst ca	se with SIM	//2(Separate 0m	m)					
Back side	10M_QPSK 1RB_0	23060/704	1:1	0.485	0.27	0.12	23.01	23.5	1.119	0.543	0.302	22.1	4



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 is structions, if any. The Company's observed is responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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"

| Mil Mirishap, M.J. Mildisedento, Scienze Hechnology?n/H. Mindisedento, Scienze Hechnology?n/H. Mindisede