

SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 1 of 232

TEST REPORT

Application No.: SZCR2502000492AT

Applicant: SZ Knowact Robot Technology Co., Ltd

Address of Applicant: Room C3-A081, Building C, Kexing Science Park, No. 15, Keyuan Road,

Science Park Community, Yuehai Street, Nanshan District, Shenzhen,

Guangdong, China

Manufacturer: SZ Knowact Robot Technology Co., Ltd

Address of Manufacturer: Room C3-A081, Building C, Kexing Science Park, No. 15, Keyuan Road,

Science Park Community, Yuehai Street, Nanshan District, Shenzhen,

Guanadona, China

Equipment Under Test (EUT):

EUT Name: Remote Controller

Model No.: ARDCF1

FCC ID: 2BMUV-ARDCF25

47 CFR Part 15, Subpart C 15.247 Standard(s):

Date of Receipt: 2025-02-13

2025-02-19 to 2025-02-27 **Date of Test:**

Date of Issue: 2025-02-28

Pass* Test Result:

Keny Xu **EMC Laboratory Manager**

Ceny. Ku



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. the fullest extent of the law. Unless otherwise states and the state and

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 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 2 of 232

	Revision Record						
Version	Chapter	Date	Modifier	Remark			
01		2025-02-28		Original			

Authorized for issue by:		
	Do rjar. i In ang	
	Donjon Huang/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 findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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/1

Report No.: SZCR250200049201

Page: 3 of 232

2 **Test Summary**

Radio Spectrum Technical Requirement						
Item	Standard	Method	Requirement	Result		
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass		

Radio Spectrum Matter Part						
Item	Standard	Method	Requirement	Result		
Conducted Emissions at AC Power Line (150kHz-30MHz)		ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass		
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass		
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass		
Radiated Spurious Emissions Above 1GHz	47 CFR Part 15,	ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass		
Conducted Peak Output Power	Subpart C 15.247	ANSI C63.10 (2013) Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass		
Minimum 6dB Bandwidth		ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass		
Power Spectrum Density		ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass		
Conducted Band Edges Measurement		ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass		
Conducted Spurious Emissions		ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass		



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Part, 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/1

Report No.: SZCR250200049201

Page: 4 of 232

Contents

		Page
1	1 Cover Page	1
2	2 Test Summary	3
2	3 Contents	
3	3 Contents	4
4	4 General Information	6
	4.1 Details of E.U.T.	
	4.2 Measurement Uncertainty	
	4.4 Test Facility	
	4.5 Deviation from Standards	
	4.6 Abnormalities from Standard Conditions	
5	5 Equipment List	9
6	6 Radio Spectrum Technical Requirement	44
O		
	6.1 Antenna Requirement	
	6.1.2 Conclusion	
7		
•	-	
	7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	
	7.1.1 E.U.1. Operation	
	7.1.3 Test Setup Diagram	
	7.1.4 Measurement Procedure and Data	13
	7.2 Radiated Emissions which fall in the restricted bands	
	7.2.1 E.U.T. Operation	
	7.2.2 Test Mode Description	
	7.2.3 Test Setup Diagram	
	7.3 Radiated Spurious Emissions Below 1GHz	
	7.3.1 E.U.T. Operation	
	7.3.2 Test Mode Description	
	7.3.3 Test Setup Diagram	
	7.3.4 Measurement Procedure and Data	
	7.4 Radiated Spurious Emissions Above 1GHz	
	7.4.2 Test Mode Description	
	7.4.3 Test Setup Diagram	
	7.4.4 Measurement Procedure and Data	
	7.5 Conducted Peak Output Power	
	7.5.1 E.U.T. Operation	
	7.5.2 Test Mode Description	95



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

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

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



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 5 of 232

	7.5.3	Test Setup Diagram	96
	7.5.4	Measurement Procedure and Data	
7.	.6 N	1inimum 6dB Bandwidth	97
	7.6.1	E.U.T. Operation	97
	7.6.2	Test Mode Description	
	7.6.3	Test Setup Diagram	97
	7.6.4	Measurement Procedure and Data	97
7.	.7 F	ower Spectrum Density	98
	7.7.1	E.U.T. Operation	98
	7.7.2	Test Mode Description	98
	7.7.3	Test Setup Diagram	98
	7.7.4	Measurement Procedure and Data	98
7.	.8 C	Conducted Band Edges Measurement	99
	7.8.1	E.U.T. Operation	99
	7.8.2	Test Mode Description	99
	7.8.3	Test Setup Diagram	100
	7.8.4	Measurement Procedure and Data	100
7.	.9 0	Conducted Spurious Emissions	101
	7.9.1	E.U.T. Operation	101
	7.9.2	Test Mode Description	101
	7.9.3	Test Setup Diagram	102
	7.9.4	Measurement Procedure and Data	102
8	Test S	etup Photo	103
9	EUT C	onstructional Details (EUT Photos)	103
10	Apper	ndix	104



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Part, 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/1 Report No.: SZCR250200049201

> Page: 6 of 232

General Information 4

4.1 Details of E.U.T.

Power supply:	Powered by Lithium-ion Rechargeable Cell
1117	Battery information
	Model: ICR18650
	Nominal Voltage: 3.6V
	Capacity: 9.18Wh
Cable(s):	USB Type-C to Type-C cable: 16cm unshielded
Operation Frequency:	1.4MHz mode A: 2403.5MHz-2467.5MHz(33channel)
	1.4MHz mode B: 2405.12MHz-2469.12MHz(33channel)
	1.4MHz mode C: 2404.69MHz-2464.69MHz(21channel)
	1.4MHz mode D: 2406.31MHz-2466.31MHz(21channel)
	3MHz mode A: 2405.5MHz-2465.5MHz(21channel)
	3MHz mode B: 2408.2MHz-2468.2MHz(21channel)
	3MHz mode C: 2407.88MHz-2457.88MHz(11channel)
	3MHz mode D: 2411.12MHz-2461.12MHz(11channel)
	5MHz mode A: 2404.5MHz-2469.5MHz(14channel)
	5MHz mode B: 2405.26MHz-2462.26MHz(58channel)
	5MHz mode C: 2411.74MHz-2468.74MHz(58channel)
	10MHz mode A: 2407.5MHz-2467.5MHz(61channel)
	10MHz mode B: 2408.75MHz-2453.75MHz(46channel)
	10MHz mode C: 2422.25MHz-2467.25MHz(46channel)
	20MHz: 2412.5MHz-2462.5MHz(51channel)
	40MHz: 2422.5MHz-2452.5MHz(31channel)
	60MHz: 2432.5MHz-2442.5MHz(11channel)
Channel Spacing:	1.4MHz mode A: 2MHz
	1.4MHz mode B: 2MHz
	1.4MHz mode C: 3MHz
	1.4MHz mode D: 3MHz
	3MHz mode A: 3MHz
	3MHz mode B: 3MHz
	3MHz mode C: 5MHz
	3MHz mode D: 5MHz
	5MHz mode A: 5MHz
	5MHz mode B: 1MHz
	5MHz mode C: 1MHz
	10MHz mode A: 1MHz
	10MHz mode B: 1MHz
	10MHz mode C: 1MHz
	20MHz: 1MHz



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

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



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 7 of 232

	40MHz: 1MHz
	60MHz: 1MHz
Modulation Type:	OFDM
Antenna Type:	Internal Antennas
Antenna Gain:	Ant 0:3dBi; Ant 1:3dBi

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Measurement Uncertainty

···· ·································					
Test Item	Measurement Uncertainty				
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB				
Radiated Emissions which fall in the restricted bands	± 6.0dB (Below 1GHz);± 4.6dB (Above 1GHz)				
Radiated Spurious Emissions Below 1GHz	± 6.0dB for 3m; ± 5.0dB for 10m				
Radiated Spurious Emissions Above 1GHz	± 4.6dB (1-18GHz);± 4.8dB (18- 40GHz)				
Conducted Peak Output Power	± 0.75dB				
Minimum 6dB Bandwidth	± 3%				
Power Spectrum Density	± 2.84dB				
Conducted Band Edges Measurement	± 0.75dB				
Conducted Spurious Emissions	± 0.75dB				
·	·				

Remark:

The U_{lab} (lab Uncertainty) is less than U_{cispr/ETSI} (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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@gs.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

Member of the SGS Group (SGS SA)



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 8 of 232

4.3 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.

4.4 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.

4.5 Deviation from Standards

None

4.6 Abnormalities from Standard Conditions

None



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@gs.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 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 9 of 232

5 **Equipment List**

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Measurement Software	AUDIX	e3 V8.2014-6- 27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2024-03-14	2025-03-13

Radiated Emissions which fall in the restricted bands						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06	
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2025-01-07	2026-01-06	
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20	
RSE Test Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05	
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23	

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2024-03-14	2025-03-13
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Part, 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/1

Report No.: SZCR250200049201

Page: 10 of 232

Radiated Spurious Emissions Above 1GHz									
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date				
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06				
Low Noise Amplifier 1G- 18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-01-07	2026-01-06				
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-01-08	2026-01-07				
Double Ridge Horn Antenna 1GHz-18GHz			SZ-WRG-M-055	2023-12-21	2025-12-20				
SHF-EHF Horn 15GHz- 40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24				
RSE Test Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A				
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05				
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23				

RF Conducted Test											
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date						
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2024-03-27	2025-03-26						
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2024-03-14	2025-03-13						
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13						
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2024-03-14	2025-03-13						
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A						
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05						
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2024-03-27	2025-03-26						

General used equipment										
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date					
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23					
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23					
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-18	2025-03-17					



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

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

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



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 11 of 232

Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is a Internal Antenna, and the connection port is integrated inside the product, and the antenna cannot be replaced.

Ant 0:3dBi; Ant 1:3dBi; the directional gain is:6.01dBi

*Note:

The antenna gain are derived from the gain information report provided by the manufacturer.

Remark:

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.



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 indings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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@gs.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/1

Report No.: SZCR250200049201

Page: 12 of 232

Radio Spectrum Matter Test Results 7

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

47 CFR Part 15, Subpart C 15.207 Test Requirement Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Fraguency of amission/MU-)	Conducted limit(dBµV)					
Frequency of emission(MHz)	Quasi-peak	Average				
0.15-0.5	66 to 56*	56 to 46*				
0.5-5	56	46				
5-30	60	50				
*Decreases with the logarithm of t	he frequency.					
Detector: Peak for pre-scan (9kHz	resolution bandwidth) 0.15M to 30)MHz				

7.1.1 E.U.T. Operation

Operating Environment:

22.5 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar Temperature:

7.1.2 Test Mode Description

7.1.2 Test mode Description							
Pre-scan / Final test	Mode Code	Description					
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					



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@gs.com"

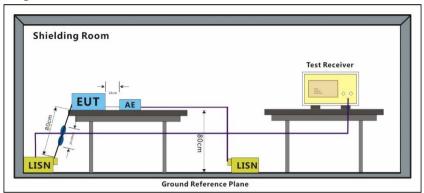
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 13 of 232

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50uH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



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 indings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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@gs.com"

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

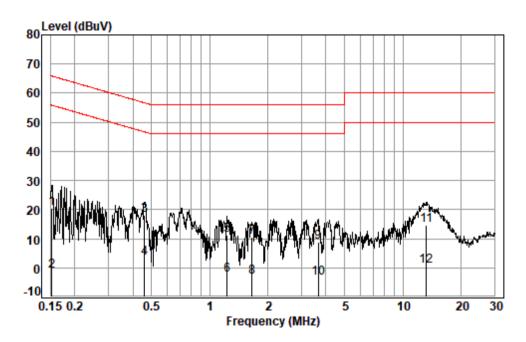


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 14 of 232

Test Mode: 01; Line: Live line



: Shielding Room

Condition: Line Job No. : 00492AT

Test mode: 01

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	-	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1524	0.06	10.19	10.20	20.45	65.87	-45.42	QP
2		0.1524	0.06	10.19	-11.34	-1.09	55.87	-56.96	Average
3	*	0.4588	0.08	9.59	8.49	18.16	56.71	-38.55	QP
4	*	0.4588	0.08	9.59	-6.18	3.49	46.71	-43.22	Average
5		1.2291	0.09	9.58	1.58	11.25	56.00	-44.75	QP
6		1.2291	0.09	9.58	-12.23	-2.56	46.00	-48.56	Average
7		1.6625	0.10	9.58	0.79	10.47	56.00	-45.53	QP
8		1.6625	0.10	9.58	-12.78	-3.10	46.00	-49.10	Average
9		3.6611	0.11	9.65	-1.02	8.74	56.00	-47.26	QP
10		3.6611	0.11	9.65	-13.39	-3.63	46.00	-49.63	Average
11		13.2667	0.24	9.85	4.60	14.69	60.00	-45.31	QP
12		13.2667	0.24	9.85	-9.50	0.59	50.00	-49.41	Average

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



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@gs.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

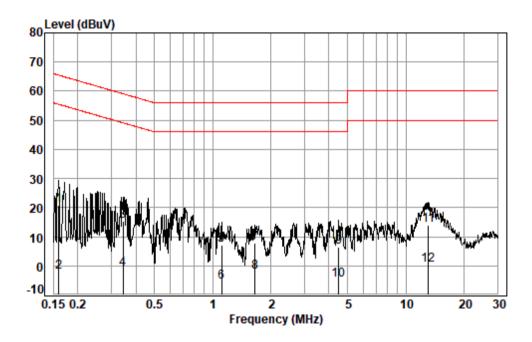


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 15 of 232

Test Mode: 01; Line: Neutral Line



: Shielding Room

Condition: Neutral Job No. : 00492AT

Test mode: 01

		Cable	LISN	Read		Limit	0ver	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1598	0.06	10.13	10.54	20.73	65.47	-44.74	QP
2	0.1598	0.06	10.13	-12.17	-1.98	55.47	-57.45	Average
3 *	0.3446	0.07	9.75	5.37	15.19	59.09	-43.90	QP
4	0.3446	0.07	9.75	-11.09	-1.27	49.09	-50.36	Average
5	1.1114	0.09	9.54	-2.35	7.28	56.00	-48.72	QP
6	1.1114	0.09	9.54	-15.04	-5.41	46.00	-51.41	Average
7	1.6625	0.10	9.55	-1.92	7.73	56.00	-48.27	QP
8 *	1.6625	0.10	9.55	-11.80	-2.15	46.00	-48.15	Average
9	4.5015	0.12	9.56	-3.40	6.28	56.00	-49.72	QP
10	4.5015	0.12	9.56	-14.53	-4.85	46.00	-50.85	Average
11	13.1269	0.24	9.76	3.94	13.94	60.00	-46.06	QP
12	13.1269	0.24	9.76	-9.71	0.29	50.00	-49.71	Average

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



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 lient's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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@gs.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/1 Report No.: SZCR250200049201

> Page: 16 of 232

7.2 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)		
0.009-0.490	2400/F(kHz)	300		
0.490-1.705	24000/F(kHz)	30		
1.705-30.0	30	30		
30-88	100	3		
88-216	150	3		
216-960	200	3		
Above 960	500	3		

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	TX mode (2.4G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	02	TX mode (2.4G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	04	TX mode (2.4G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	06	TX mode (2.4G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and



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@gs.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



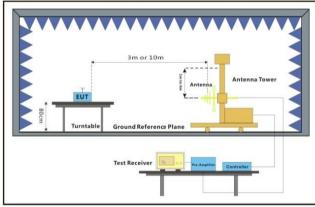
SZEMC-TRF-01 Rev. A/1

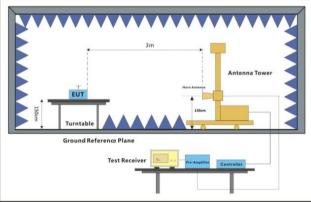
Report No.: SZCR250200049201

Page: 17 of 232

		charged by adapter
Pre-scan	08	TX mode (2.4G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	10	TX mode (2.4G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	12	TX mode (2.4G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

7.2.3 Test Setup Diagram





Above 1GHz 30MHz-1GHz



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

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

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



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 18 of 232

7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.
- Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- Remark 3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 4:For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥1/T (Duty cycle<98%) or 10Hz (Duty cycle≥98%) for Average detection (AV) at frequency above 1GHz.



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 indings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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@gs.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

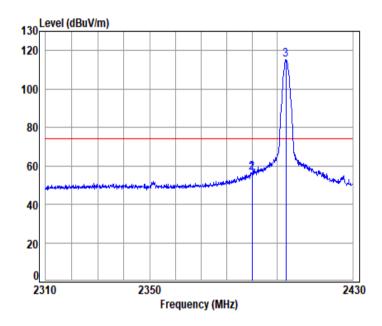


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 19 of 232

SDR_1.4M_Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2403.5 Band edge

: 2.4G SDR 1.4M

	. 2.7	d JUIN	1.70						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	_								
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
			,						
1	2389.968	6 82	27 46	31 54	53 71	56 45	74 99	-17 55	neak
-	2505.500	0.02	27.40	31.34	33.71	30.43	74.00	17.55	peak
2	2390.000	6.82	27.46	31.54	53.71	56.45	74.00	-17.55	peak
3 pp	2403.500	6.85	27.51	31.54	112.25	115.07	74.00	41.07	peak



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

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

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

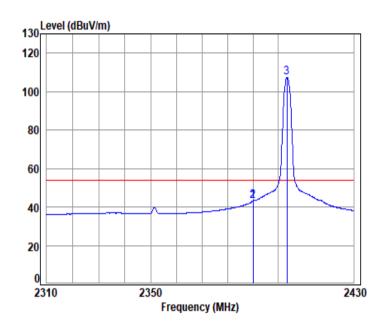


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 20 of 232

SDR 1.4M Horizontal-AVG-L



Condition: 3m HORIZONTAL

Job No : 00492AT

1

Mode : 2403.5 Band edge

: 2.4G SDR 1.4M

Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 2389.968 6.82 27.46 31.54 40.50 43.24 54.00 -10.76 Average 2390.000 6.82 27.46 31.54 40.50 43.24 54.00 -10.76 Average 6.85 27.51 31.54 104.65 107.47 54.00 53.47 Average 3 pp 2403.500



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@gs.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

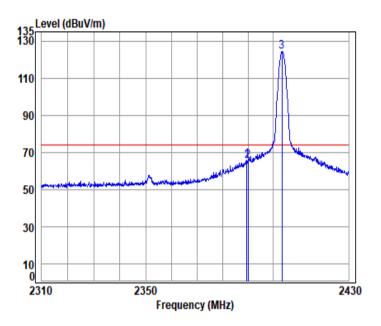


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 21 of 232

SDR 1.4M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2403.5 Band edge

: 2.4G SDR 1.4M

Cable Ant Preamp 0ver Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 2389.484 6.82 27.46 31.54 62.96 65.70 74.00 -8.30 peak 2390.000 6.82 27.46 31.54 62.31 65.05 74.00 -8.95 peak 6.85 27.51 31.54 121.62 124.44 74.00 50.44 peak 3 pp 2403.500



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@gs.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

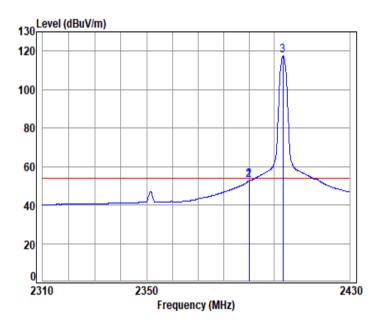


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 22 of 232

SDR 1.4M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2403.5 Band edge

: 2.4G SDR 1.4M

Cable Ant Preamp 0ver Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 2389.968 6.82 27.46 31.54 50.01 52.75 54.00 -1.25 Average 2390.000 6.82 27.46 31.54 50.01 52.75 54.00 -1.25 Average 6.85 27.51 31.54 114.58 117.40 54.00 63.40 Average 3 pp 2403.500



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

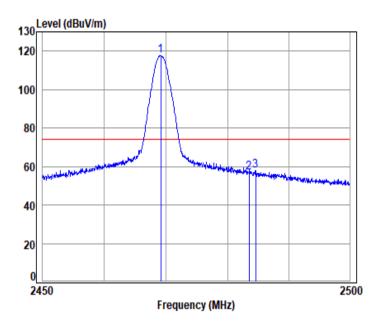


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 23 of 232

SDR 1.4M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2469.12 Band edge

: 2.4G SDR 1.4M

Cable Ant Preamp 0ver Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2469.120 7.30 27.71 31.55 114.22 117.68 74.00 43.68 peak 2483.500 7.40 27.80 31.55 53.07 56.72 74.00 -17.28 peak 2484.593 7.41 27.81 31.55 54.28 57.95 74.00 -16.05 peak



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@gs.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 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

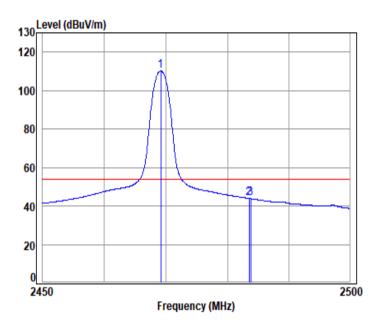


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 24 of 232

SDR 1.4M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 2469.12 Band edge

: 2.4G SDR 1.4M

	Freq				Read Level				Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
рр	2469.120								_
	2483.500								_
	2483.790	7.40	27.80	31.55	40.16	43.81	54.00	-10.19	Average



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

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

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

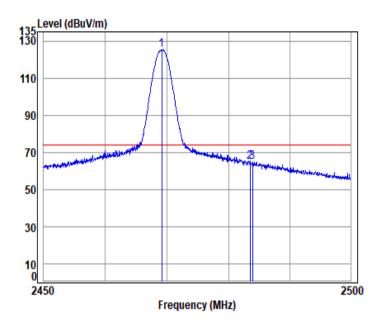


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 25 of 232

SDR 1.4M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2469.12 Band edge

: 2.4G SDR 1.4M

Cable Ant Preamp 0ver Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2469.120 7.30 27.71 31.55 121.90 125.36 74.00 51.36 peak 2483.500 7.40 27.80 31.55 60.81 64.46 74.00 -9.54 peak 2483.940 7.40 27.80 31.55 61.19 64.84 74.00 -9.16 peak



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@gs.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 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

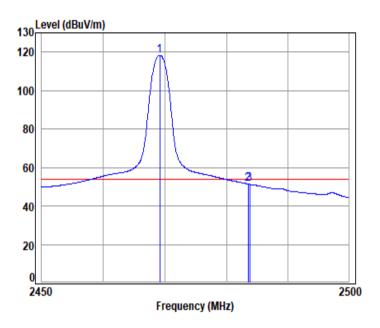


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 26 of 232

SDR 1.4M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2469.12 Band edge

: 2.4G SDR 1.4M

Cable Ant Preamp 0ver Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2469.120 7.30 27.71 31.55 114.92 118.38 54.00 64.38 Average 2483.500 7.40 27.80 31.55 47.79 51.44 54.00 -2.56 Average 2483.790 7.40 27.80 31.55 47.59 51.24 54.00 -2.76 Average



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@gs.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 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

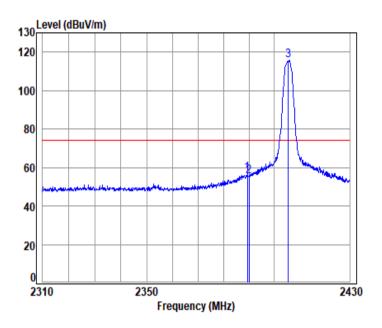


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 27 of 232

SDR 3M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2

Mode : 2405.5 Band edge

: 2.4G SDR 3M

. 2.16 351.												
	Cable	Ant	Preamp	Read		Limit	0ver					
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark				
									_			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB					
2389.363	6.82	27.46	31.54	54.10	56.84	74.00	-17.16	peak				
2390.000												
pp 2405.500	6.87	27.51	31.54	112.71	115.55	74.00	41.55	peak				



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

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

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

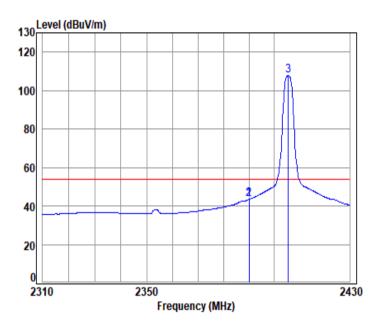


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 28 of 232

SDR 3M Horizontal-AVG-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2405.5 Band edge

: 2.4G SDR 3M

		Enea					Laval			Remark	
										- Nelliai K	_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		2389.968	6.82	27.46	31.54	40.65	43.39	54.00	-10.61	Average	
2		2390.000	6.82	27.46	31.54	40.65	43.39	54.00	-10.61	Average	
3	pp	2405.500	6.87	27.51	31.54	104.81	107.65	54.00	53.65	Average	



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

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

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

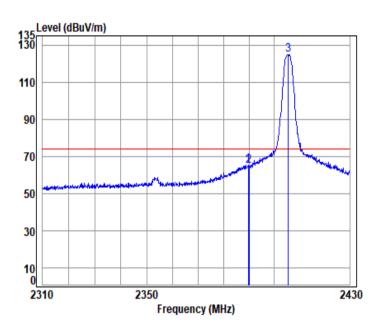


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 29 of 232

SDR 3M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2405.5 Band edge

: 2.4G SDR 3M

Cable 0ver Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 2389.726 6.82 27.46 31.54 62.42 65.16 74.00 -8.84 peak 2390.000 6.82 27.46 31.54 62.18 64.92 74.00 -9.08 peak 6.87 27.51 31.54 121.84 124.68 74.00 50.68 peak 3 pp 2405.500



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 findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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@gs.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 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

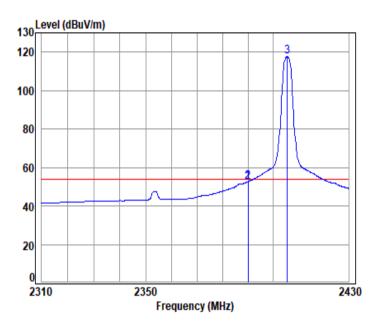


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 30 of 232

SDR 3M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2405.5 Band edge

: 2.4G SDR 3M

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
											_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
L		2389.968	6.82	27.46	31.54	49.81	52.55	54.00	-1.45	Average	
2		2390.000	6.82	27.46	31.54	49.81	52.55	54.00	-1.45	Average	
3	nn	2405.500	6.87	27.51	31.54	114.60	117.44	54.00	63.44	Average	



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

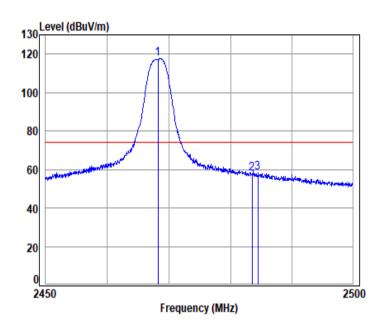


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 31 of 232

SDR 3M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2468.2 Band edge

: 2.4G SDR 3M

0ver Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2468.200 7.29 27.71 31.55 114.33 117.78 74.00 43.78 peak 2483.500 7.40 27.80 31.55 53.99 57.64 74.00 -16.36 peak 2484.492 7.40 27.81 31.55 54.53 58.19 74.00 -15.81 peak



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@gs.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 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

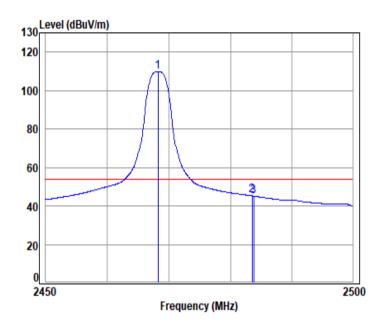


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 32 of 232

SDR 3M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2468.2 Band edge

: 2.4G SDR 3M

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2468.200	7.29	27.71	31.55	106.46	109.91	54.00	55.91	Average
2	2483.500	7.40	27.80	31.55	41.62	45.27	54.00	-8.73	Average
3	2483.790	7.40	27.80	31.55	41.48	45.13	54.00	-8.87	Average



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

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

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

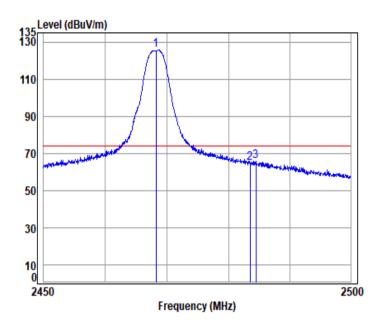


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 33 of 232

SDR 3M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2468.2 Band edge

: 2.4G SDR 3M

	Freq						Limit Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2468.200	7.29	27.71	31.55	122.25	125.70	74.00	51.70	peak
	2483.500								
3	2484.442	7.40	27.81	31.55	61.98	65.64	74.00	-8.36	peak



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

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

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

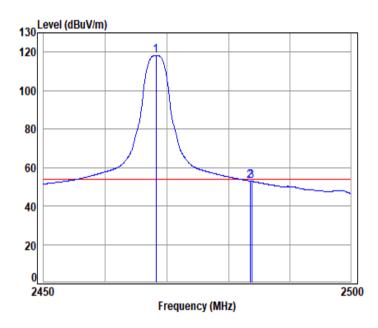


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 34 of 232

SDR 3M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2468.2 Band edge

: 2.4G SDR 3M

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
рр	2468.200	7.29	27.71	31.55	114.75	118.20	54.00	64.20	Average
	2483.500	7.40	27.80	31.55	49.32	52.97	54.00	-1.03	Average
	2483.790	7.40	27.80	31.55	49.15	52.80	54.00	-1.20	Average



1 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 prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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

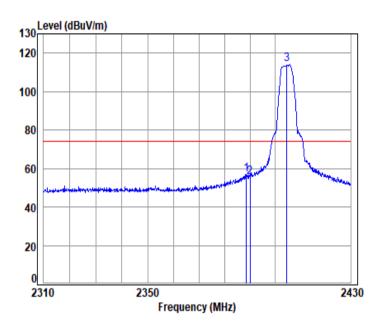


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 35 of 232

SDR 5M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2404.5 Band edge

: 2.4G SDR 5M

. 2.14 351. 311											
		Cable	Ant	Preamp	Read		Limit	0ver			
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB			
1	2388.637	6.82	27.45	31.54	54.33	57.06	74.00	-16.94	peak		
2	2390.000	6.82	27.46	31.54	52.85	55.59	74.00	-18.41	peak		
3 рр	2404.500								-		



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@gs.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

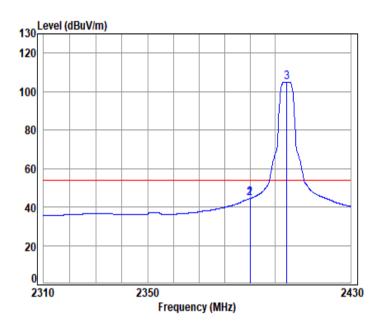


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 36 of 232

SDR 5M Horizontal-AVG-L



Condition: 3m HORIZONTAL

: 00492AT Job No

1 2

Mode : 2404.5 Band edge

: 2.4G SDR 5M

	Cable	Ant	Preamp	Read		Limit	0ver		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
2389.968	6.82	27.46	31.54	41.67	44.41	54.00	-9.59	Average	
2390.000								Average	
nn 2404,500	6.86	27.51	31.54	102.00	104.83	54.00	50.83	Average	



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@gs.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

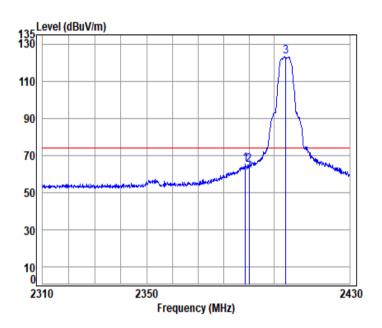


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 37 of 232

SDR 5M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2404.5 Band edge

: 2.4G SDR 5M

Freq						Limit Line			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
2388.637	6.82	27.45	31.54	62.44	65.17	74.00	-8.83	peak	
2390.000	6.82	27.46	31.54	61.85	64.59	74.00	-9.41	peak	
pp 2404.500	6.86	27.51	31.54	120.33	123.16	74.00	49.16	peak	



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

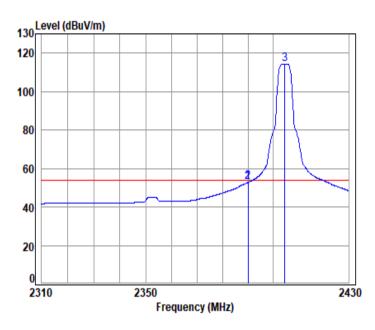


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 38 of 232

SDR 5M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2404.5 Band edge

: 2.4G SDR 5M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
			•			•	•		
1	2389.968	6.82	27.46	31.54	50.04	52.78	54.00	-1.22	Average
2	2390.000	6.82	27.46	31.54	50.04	52.78	54.00	-1.22	Average
3 pr	2404.500	6.86	27.51	31.54	111.37	114.20	54.00	60.20	Average



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

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

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

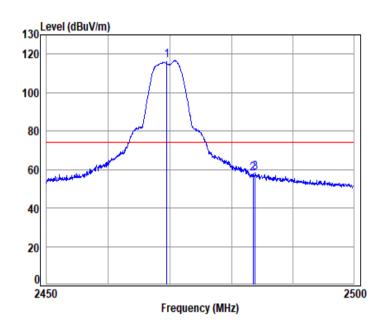


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 39 of 232

SDR 5M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2469.5 Band edge

: 2.4G SDR 5M

0ver Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2469.500 7.30 27.72 31.55 113.00 116.47 74.00 42.47 peak 2483.500 7.40 27.80 31.55 54.34 57.99 74.00 -16.01 peak 2483.840 7.40 27.80 31.55 54.71 58.36 74.00 -15.64 peak



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@gs.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

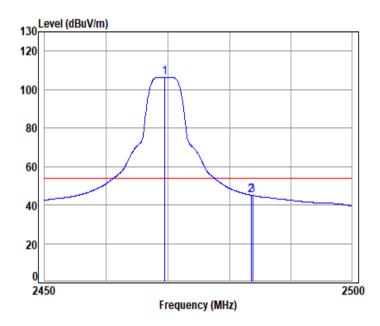


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 40 of 232

SDR 5M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 2469.5 Band edge

: 2.4G SDR 5M

			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
											_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
L	pp	2469.500	7.30	27.72	31.55	102.94	106.41	54.00	52.41	Average	
2		2483.500	7.40	27.80	31.55	41.47	45.12	54.00	-8.88	Average	
2		2/83 790	7 10	27 80	31 55	/11 20	11 91	54 00	0 06	Λυοροσο	



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

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

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

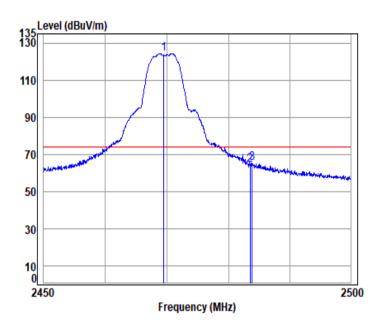


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 41 of 232

SDR 5M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2469.5 Band edge

: 2.4G SDR 5M

Cable Ant Preamp 0ver Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2469.500 7.30 27.72 31.55 120.87 124.34 74.00 50.34 peak 2483.500 7.40 27.80 31.55 60.35 64.00 74.00 -10.00 peak 2483.890 7.40 27.80 31.55 61.56 65.21 74.00 -8.79 peak



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@gs.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

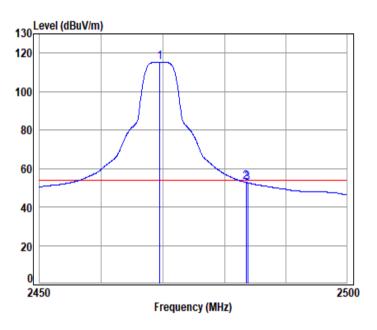


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 42 of 232

SDR 5M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2469.5 Band edge

: 2.4G SDR 5M

Cable Ant Preamp 0ver Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2469.500 7.30 27.72 31.55 111.64 115.11 54.00 61.11 Average 2483.500 7.40 27.80 31.55 49.14 52.79 54.00 -1.21 Average 2483.790 7.40 27.80 31.55 48.91 52.56 54.00 -1.44 Average



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@gs.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

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

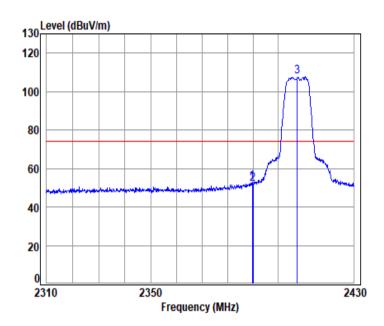


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 43 of 232

SDR 10M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

1

Mode : 2407.5 Band edge

: 2.4G SDR 10M

0ver Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 2389.726 6.82 27.46 31.54 50.02 52.76 74.00 -21.24 peak 2390.000 6.82 27.46 31.54 49.37 52.11 74.00 -21.89 peak 6.88 27.51 31.54 104.67 107.52 74.00 33.52 peak 3 pp 2407.500



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@gs.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

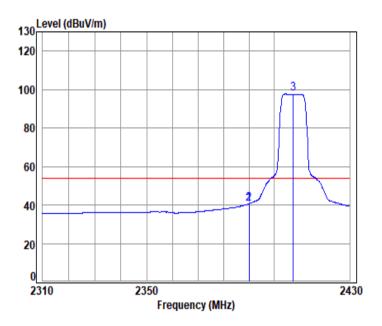


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 44 of 232

SDR 10M Horizontal-AVG-L



Condition: 3m HORIZONTAL

: 00492AT Job No

1 2

Mode : 2407.5 Band edge

: 2.4G SDR 10M

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
	2389.968	6.82	27.46	31.54	37.88	40.62	54.00	-13.38	Average	
	2390.000	6.82	27.46	31.54	37.88	40.62	54.00	-13.38	Average	
nn	2407.500	6.88	27.51	31.54	94.79	97.64	54.00	43.64	Average	



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@gs.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

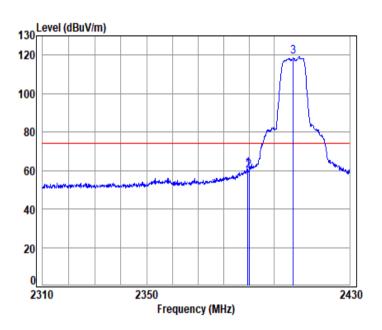


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 45 of 232

SDR 10M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2407.5 Band edge

: 2.4G SDR 10M

0ver Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 2389.484 6.82 27.46 31.54 58.19 60.93 74.00 -13.07 peak 1 2390.000 6.82 27.46 31.54 57.23 59.97 74.00 -14.03 peak 6.88 27.51 31.54 116.09 118.94 74.00 44.94 peak 3 pp 2407.500



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@gs.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

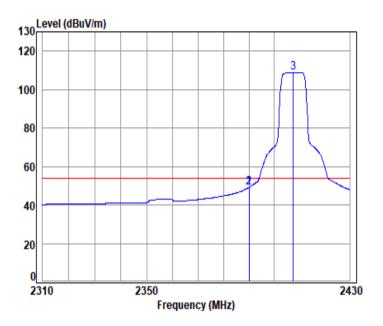


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 46 of 232

SDR 10M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2407.5 Band edge

: 2.4G SDR 10M

0ver Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 2389.968 6.82 27.46 31.54 46.38 49.12 54.00 -4.88 Average 2390.000 6.82 27.46 31.54 46.38 49.12 54.00 -4.88 Average 6.88 27.51 31.54 106.10 108.95 54.00 54.95 Average 3 pp 2407.500



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

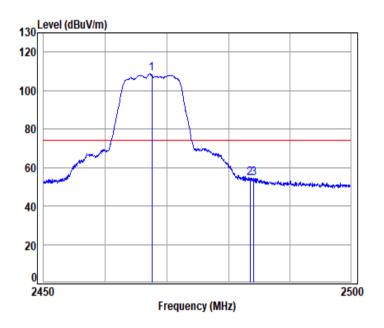


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 47 of 232

SDR 10M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 2467.5 Band edge

: 2.4G SDR 10M

	Freq				Read Level				Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
рр	2467.500	7.29	27.70	31.55	105.13	108.57	74.00	34.57	peak
	2483.500	7.40	27.80	31.55	50.89	54.54	74.00	-19.46	peak
	2484.141	7.40	27.80	31.55	50.95	54.60	74.00	-19.40	peak



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

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

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

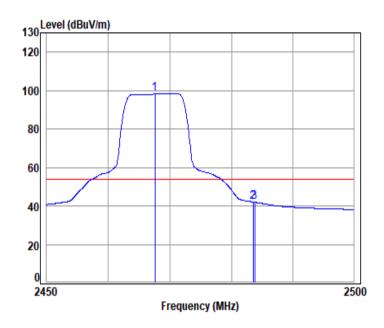


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 48 of 232

SDR 10M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 2467.5 Band edge

: 2.4G SDR 10M

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
pp	2467.500	7.29	27.70	31.55	95.14	98.58	54.00	44.58	Average	
	2483.500	7.40	27.80	31.55	38.45	42.10	54.00	-11.90	Average	
	2483.790	7.40	27.80	31.55	38.29	41.94	54.00	-12.06	Average	



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

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

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

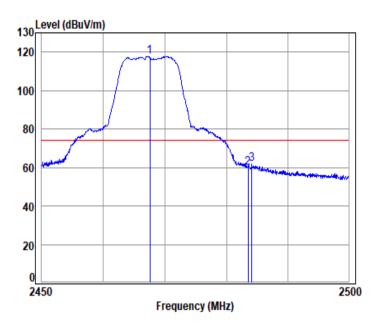


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 49 of 232

SDR 10M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2467.5 Band edge

: 2.4G SDR 10M

Cable 0ver Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2467.500 7.29 27.70 31.55 114.45 117.89 74.00 43.89 peak 2483.500 7.40 27.80 31.55 56.17 59.82 74.00 -14.18 peak 2484.141 7.40 27.80 31.55 58.08 61.73 74.00 -12.27 peak



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@gs.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

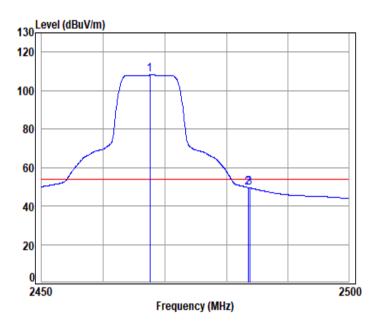


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 50 of 232

SDR 10M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2467.5 Band edge

: 2.4G SDR 10M

0ver Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2467.500 7.29 27.70 31.55 104.63 108.07 54.00 54.07 Average 2483.500 7.40 27.80 31.55 45.95 49.60 54.00 -4.40 Average 2483.790 7.40 27.80 31.55 45.74 49.39 54.00 -4.61 Average



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@gs.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

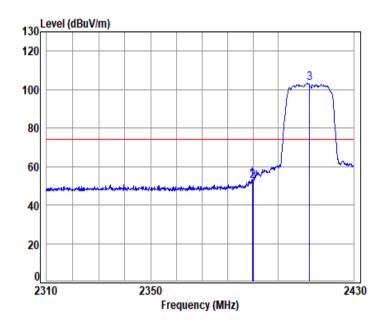


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 51 of 232

SDR 20M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2412.5 Band edge

: 2.4G SDR 20M

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.726	6.82	27.46	31.54	50.86	53.60	74.00	-20.40	peak
2	2390.000	6.82	27.46	31.54	49.66	52.40	74.00	-21.60	peak
3 рр	2412.500	6.91	27.52	31.54	100.41	103.30	74.00	29.30	peak



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@gs.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

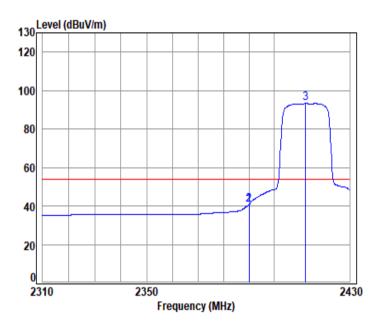


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 52 of 232

SDR 20M Horizontal-AVG-L



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2

Mode : 2412.5 Band edge

: 2.4G SDR 20M

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
	2389.968	6.82	27.46	31.54	37.95	40.69	54.00	-13.31	Average	
	2390.000	6.82	27.46	31.54	37.95	40.69	54.00	-13.31	Average	
nn	2412.500	6.91	27.52	31.54	90.53	93.42	54.00	39.42	Average	



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@gs.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

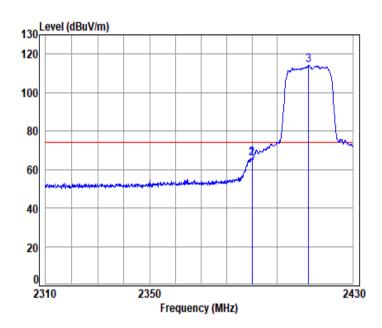


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 53 of 232

SDR 20M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2412.5 Band edge

: 2.4G SDR 20M

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.968	6.82	27.46	31.54	62.96	65.70	74.00	-8.30	peak
2	2390.000	6.82	27.46	31.54	62.96	65.70	74.00	-8.30	peak
3 рр	2412.500	6.91	27.52	31.54	111.44	114.33	74.00	40.33	peak



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@gs.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

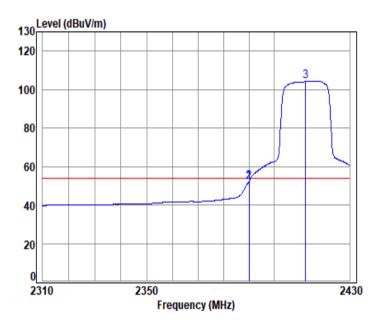


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 54 of 232

SDR 20M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2412.5 Band edge

: 2.4G SDR 20M

0ver Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 2389.968 6.82 27.46 31.54 49.29 52.03 54.00 -1.97 Average 2390.000 6.82 27.46 31.54 49.29 52.03 54.00 -1.97 Average 6.91 27.52 31.54 101.45 104.34 54.00 50.34 Average 3 pp 2412.500



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@gs.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

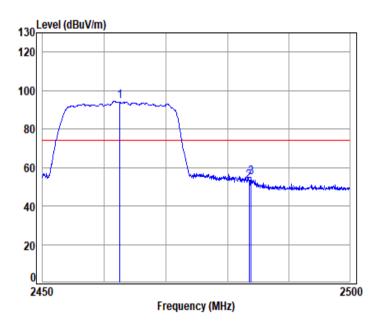


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 55 of 232

SDR 20M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 2462.5 Band edge

: 2.4G SDR 20M

	Freq			Preamp Factor					
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB	
pp	2462.500	7.26	27.67	31.55	90.97	94.35	74.00	20.35	peak
	2483.500	7.40	27.80	31.55	49.39	53.04	74.00	-20.96	peak
	2462 640	7 40	27 90	21 55	E1 10	E/ 7E	74 00	10 25	nook



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

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

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

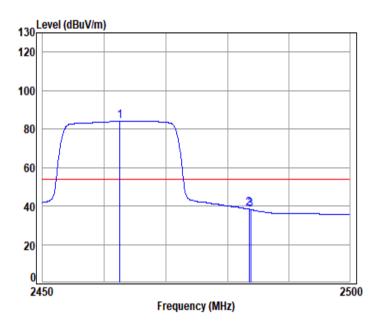


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 56 of 232

SDR 20M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 2462.5 Band edge

: 2.4G SDR 20M

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
										_
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
l pp	2462.500	7.26	27.67	31.55	80.69	84.07	54.00	30.07	Average	
2	2483.500	7.40	27.80	31.55	34.71	38.36	54.00	-15.64	Average	
3	2483.790	7.40	27.80	31.55	34.52	38.17	54.00	-15.83	Average	



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

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

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 Member of the SGS Group (SGS SA)

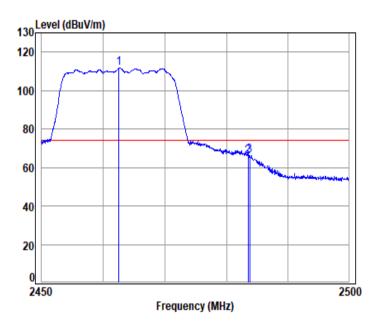


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 57 of 232

SDR 20M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2462.5 Band edge

: 2.4G SDR 20M

Cable 0ver Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2462.500 7.26 27.67 31.55 108.28 111.66 74.00 37.66 peak 2483.500 7.40 27.80 31.55 62.13 65.78 74.00 -8.22 peak 2483.790 7.40 27.80 31.55 62.65 66.30 74.00 -7.70 peak



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@sgs.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

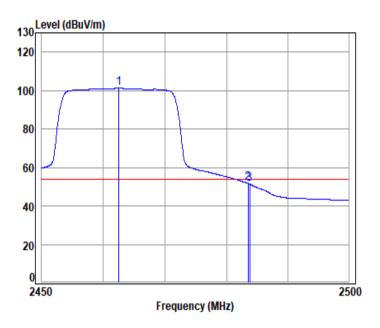


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 58 of 232

SDR 20M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2462.5 Band edge

: 2.4G SDR 20M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.500	7.26	27.67	31.55	98.13	101.51	54.00	47.51	Average
2	2483.500	7.40	27.80	31.55	48.13	51.78	54.00	-2.22	Average
3	2483.790	7.40	27.80	31.55	47.74	51.39	54.00	-2.61	Average



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

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

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

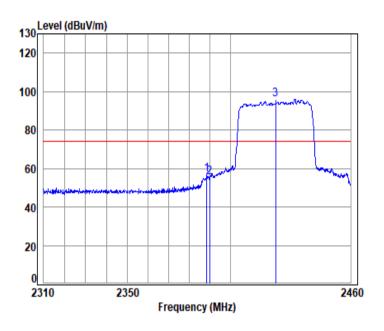


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 59 of 232

SDR 40M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2

Mode : 2422.5 Band edge

: 2.4G SDR 40M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	2388.474	6.82	27.45	31.54	54.08	56.81	74.00	-17.19	peak
	2390.000	6.82	27.46	31.54	52.38	55.12	74.00	-18.88	peak
nn	2422.500	6.98	27.55	31.54	93.14	96.13	74.00	22.13	neak



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@gs.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

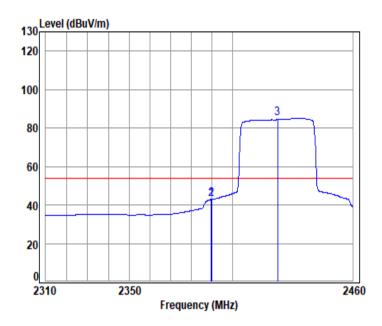


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 60 of 232

SDR 40M Horizontal-AVG-L



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2

Mode : 2422.5 Band edge

: 2.4G SDR 40M

	Cable	Ant	Preamp	Read		Limit	0ver		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
2389.827	6.82	27.46	31.54	40.08	42.82	54.00	-11.18	Average	
2390.000								Average	
nn 2422,500	6.98	27.55	31.54	82.01	85.00	54.00	31.00	Average	



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@gs.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

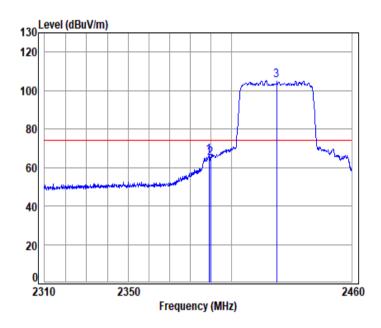


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 61 of 232

SDR 40M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2422.5 Band edge

: 2.4G SDR 40M

	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2389.075	6.82	27.46	31.54	63.58	66.32	74.00	-7.68	peak
2390.000	6.82	27.46	31.54	61.99	64.73	74.00	-9.27	peak
pp 2422,500								•



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

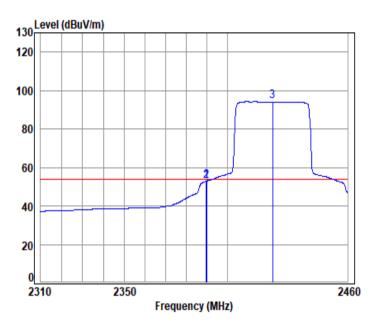


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 62 of 232

SDR 40M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2422.5 Band edge

: 2.4G SDR 40M

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
										_
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
	2389.827	6.82	27.46	31.54	50.17	52.91	54.00	-1.09	Average	
	2390.000	6.82	27.46	31.54	50.21	52.95	54.00	-1.05	Average	
nn	2422.500	6.98	27.55	31.54	91.42	94.41	54.00	40.41	Average	



1 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 findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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

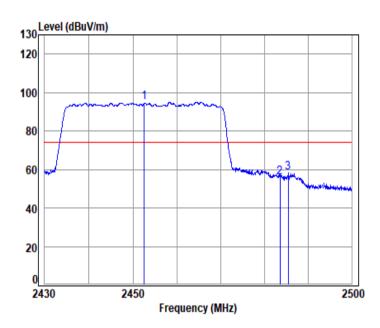


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 63 of 232

SDR 40M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2452.5 Band edge

: 2.4G SDR 40M

emark
eak
eak
eak
•



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

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

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

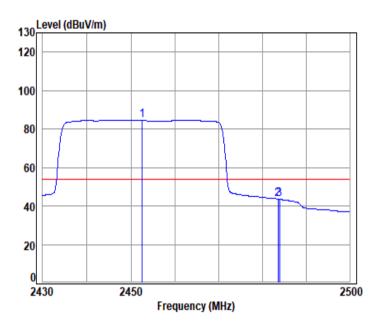


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 64 of 232

SDR 40M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2452.5 Band edge

: 2.4G SDR 40M

	Cable	Ant	Preamp	Read		Limit	0ver	
F	req Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 2452.	500 7.19	27.61	31.55	81.49	84.74	54.00	30.74	Average
2 2483.	500 7.40	27.80	31.55	39.88	43.53	54.00	-10.47	Average
3 2483.	865 7.40	27.80	31.55	39.77	43.42	54.00	-10.58	Average



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

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

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

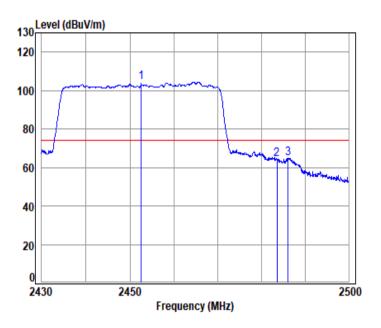


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 65 of 232

SDR 40M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2452.5 Band edge

: 2.4G SDR 40M

Cable 0ver Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2452.500 7.19 27.61 31.55 101.18 104.43 74.00 30.43 peak 2483.500 7.40 27.80 31.55 60.44 64.09 74.00 -9.91 peak 2486.052 7.42 27.82 31.55 61.21 64.90 74.00 -9.10 peak



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@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 Member of the SGS Group (SGS SA)

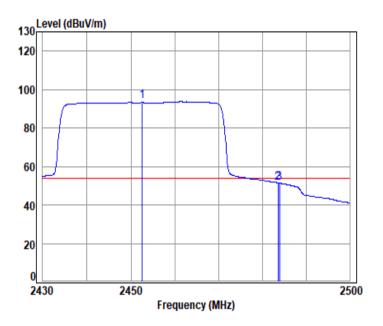


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 66 of 232

SDR 40M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2452.5 Band edge

: 2.4G SDR 40M

0ver Cable Ant Preamp Read Limit Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB/m dB 1 pp 2452.500 7.19 27.61 31.55 90.43 93.68 54.00 39.68 Average 2483.500 7.40 27.80 31.55 47.80 51.45 54.00 -2.55 Average 2483.865 7.40 27.80 31.55 47.64 51.29 54.00 -2.71 Average



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@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

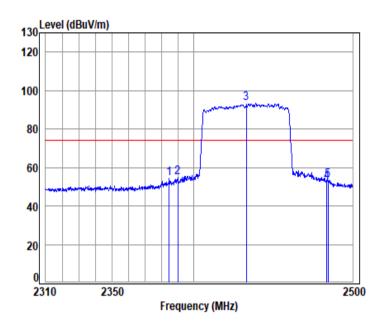


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 67 of 232

SDR 60M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2432.5 Band edge

: 2.4G SDR 60M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	2384.768	6.82	27.44	31.54	51.42	54.14	74.00	-19.86	peak
	2390.000	6.82	27.46	31.54	51.95	54.69	74.00	-19.31	peak
pp	2432.500	7.05	27.57	31.54	90.15	93.23	74.00	19.23	peak
	2483.500	7.40	27.80	31.55	48.79	52.44	74.00	-21.56	peak
	2484.241	7.40	27.81	31.55	49.76	53.42	74.00	-20.58	peak



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

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

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

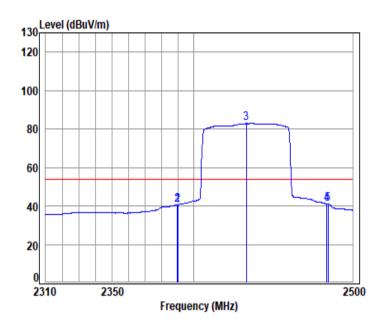


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 68 of 232

SDR 60M Horizontal-AVG-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2432.5 Band edge

: 2.4G SDR 60M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	2389.863	6.82	27.46	31.54	37.82	40.56	54.00	-13.44	Average
	2390.000	6.82	27.46	31.54	37.84	40.58	54.00	-13.42	Average
pp	2432.500	7.05	27.57	31.54	79.95	83.03	54.00	29.03	Average
	2483.500	7.40	27.80	31.55	37.41	41.06	54.00	-12.94	Average
	2484.241	7.40	27.81	31.55	37.45	41.11	54.00	-12.89	Average



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

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

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

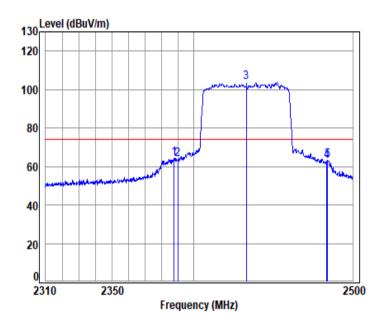


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 69 of 232

SDR 60M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2432.5 Band edge

: 2.4G SDR 60M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	2387.786	6.82	27.45	31.54	61.77	64.50	74.00	-9.50	peak
	2390.000	6.82	27.46	31.54	60.88	63.62	74.00	-10.38	peak
pp	2432.500	7.05	27.57	31.54	100.63	103.71	74.00	29.71	peak
	2483.500	7.40	27.80	31.55	59.23	62.88	74.00	-11.12	peak
	2484.045	7.40	27.80	31.55	59.71	63.36	74.00	-10.64	peak



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@gs.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

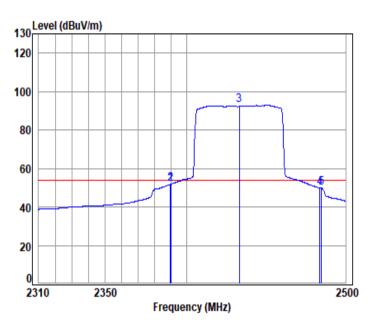


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 70 of 232

SDR 60M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2432.5 Band edge

: 2.4G SDR 60M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	2389.863	6.82	27.46	31.54	49.04	51.78	54.00	-2.22	Average
	2390.000	6.82	27.46	31.54	49.11	51.85	54.00	-2.15	Average
pp	2432.500	7.05	27.57	31.54	89.89	92.97	54.00	38.97	Average
	2483.500	7.40	27.80	31.55	46.12	49.77	54.00	-4.23	Average
	2484 438	7 40	27 81	31 55	46 25	49 91	54 00	_4 09	Average



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

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

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

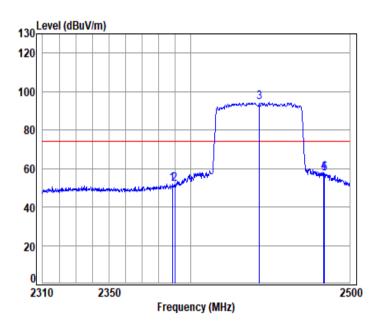


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 71 of 232

SDR 60M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2442.5 Band edge

: 2.4G SDR 60M

. 2.14 35.1 66.1										
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
	2388.541	6.82	27.45	31.54	49.40	52.13	74.00	-21.87	peak	
	2390.000	6.82	27.46	31.54	48.96	51.70	74.00	-22.30	peak	
pp	2442.500	7.12	27.59	31.54	91.03	94.20	74.00	20.20	peak	
	2483.500	7.40	27.80	31.55	54.34	57.99	74.00	-16.01	peak	
	2484 045	7 40	27 80	31 55	53 46	57 11	74 00	-16 89	neak	



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@gs.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

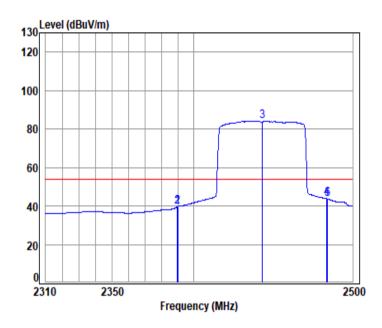


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 72 of 232

SDR 60M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2442.5 Band edge

: 2.4G SDR 60M

				00							
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
											_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
L		2389.863	6.82	27.46	31.54	36.88	39.62	54.00	-14.38	Average	
2		2390.000	6.82	27.46	31.54	36.95	39.69	54.00	-14.31	Average	
3	pp	2442.500	7.12	27.59	31.54	81.08	84.25	54.00	30.25	Average	
1		2483.500	7.40	27.80	31.55	40.10	43.75	54.00	-10.25	Average	
5		2483 849	7 40	27 80	31 55	39 99	43 64	54 00	-10 36	Average	



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

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

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

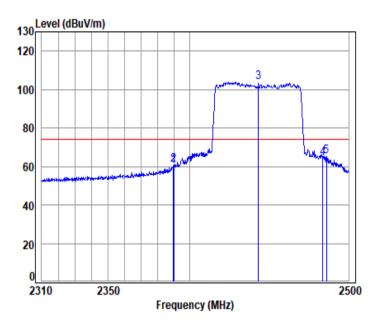


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 73 of 232

SDR 60M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2442.5 Band edge

: 2.4G SDR 60M

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	1	2389.863	6.82	27.46	31.54	57.37	60.11	74.00	-13.89	peak
	2	2390.000	6.82	27.46	31.54	58.03	60.77	74.00	-13.23	peak
	3 рр	2442.500	7.12	27.59	31.54	100.62	103.79	74.00	29.79	peak
4	4	2483.500	7.40	27.80	31.55	60.38	64.03	74.00	-9.97	peak
-	5	2485.813	7.41	27.81	31.55	61.49	65.16	74.00	-8.84	peak



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

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

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

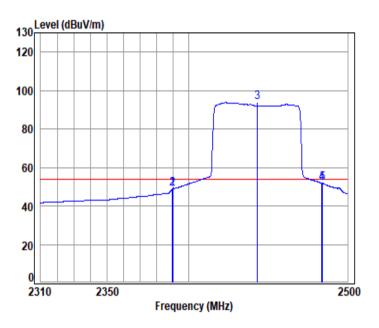


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 74 of 232

SDR 60M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2442.5 Band edge

: 2.4G SDR 60M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	2389.863	6.82	27.46	31.54	46.07	48.81	54.00	-5.19	Average
	2390.000	6.82	27.46	31.54	46.22	48.96	54.00	-5.04	Average
pp	2442.500	7.12	27.59	31.54	90.64	93.81	54.00	39.81	Average
	2483.500	7.40	27.80	31.55	48.28	51.93	54.00	-2.07	Average
	2483.849	7.40	27.80	31.55	48.19	51.84	54.00	-2.16	Average



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

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

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



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 75 of 232

7.3 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 45.5 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description					
Pre-scan	00	TX mode (2.4G SDR_1.4MHz)_Keep the EUT in transmitting mode					
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	02	TX mode (2.4G SDR_3MHz)_Keep the EUT in transmitting mode					
Pre-scan	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	04	TX mode (2.4G SDR_5MHz)_Keep the EUT in transmitting mode					
Pre-scan	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	06	TX mode (2.4G SDR_10MHz)_Keep the EUT in transmitting mode					
Pre-scan	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	08	TX mode (2.4G SDR_20MHz)_Keep the EUT in transmitting mode					
Pre-scan	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter					
Pre-scan	10	TX mode (2.4G SDR_40MHz)_Keep the EUT in transmitting mode					



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



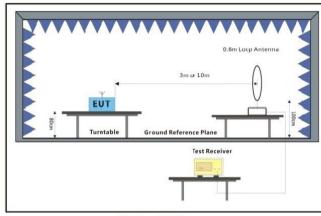
SZEMC-TRF-01 Rev. A/1

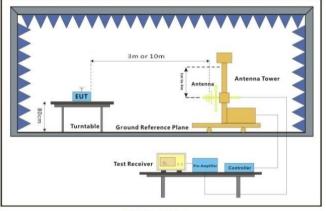
Report No.: SZCR250200049201

Page: 76 of 232

Pre-scan	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	12	TX mode (2.4G SDR_60MHz)_Keep the EUT in transmitting mode
Pre-scan	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

7.3.3 Test Setup Diagram





Below 30MHz 30MHz-1GHz



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

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

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/1 Report No.: SZCR250200049201

> 77 of 232 Page:

7.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.



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 indings at the time of its intervention only and within the limits of Cilent's instructions, if any. The Company's sole responsibility is to its Cilent 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@gs.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

Member of the SGS Group (SGS SA)

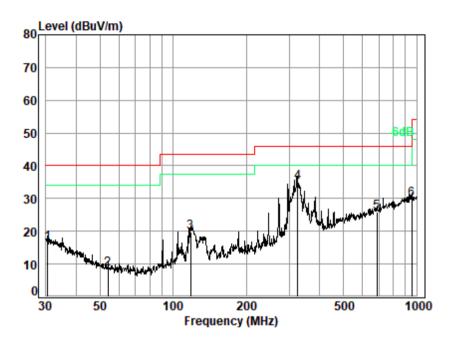


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 78 of 232

Test Mode: 01; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 00492AT

Test Mode: 01

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.531	20.95	0.68	27.79	22.65	16.49	40.00	-23.51	QP
2	54.071	12.12	0.90	27.72	23.36	8.66	40.00	-31.34	QP
3	118.186	11.18	1.35	27.51	34.71	19.73	43.50	-23.77	QP
4 q	324.456	18.60	2.30	26.85	40.81	34.86	46.00	-11.14	QP
5	687.151	25.71	3.50	27.76	24.34	25.79	46.00	-20.21	QP
6	955.438	28.10	4.27	26.37	23.66	29,66	46.00	-16.34	OP



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

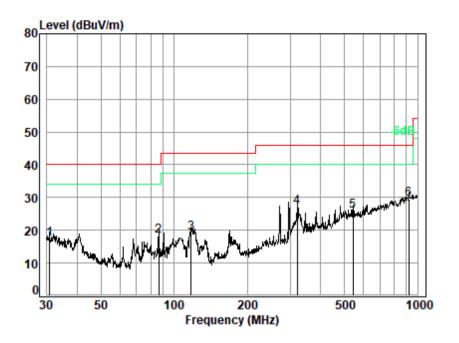


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 79 of 232

Test Mode: 01; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 00492AT

Test Mode: 01

				Preamp					
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.745	20.86	0.68	27.79	23.59	17.34	40.00	-22.66	QP
2	86.503	11.24	1.14	27.63	33.49	18.24	40.00	-21.76	QP
3	117.360	11.23	1.34	27.52	33.99	19.04	43.50	-24.46	QP
4	321.061	18.53	2.29	26.84	33.04	27.02	46.00	-18.98	QP
5	543.274	23.74	3.07	27.74	26.63	25.70	46.00	-20.30	QP
6 q	922.516	28.19	4.18	26.60	23.73	29.50	46.00	-16.50	QP



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@gs.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



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 80 of 232

7.4 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.6

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

7.4.1 E.U.T. Operation

Operating Environment:

Humidity: 50.5 % RH Atmospheric Pressure: 1020 mbar Temperature: 24.5 °C

7.4.2 Test Mode Description

7.4.2 Test IV	iode De	scription
Pre-scan / Final test	Mode Code	Description
Pre-scan	00	TX mode (2.4G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	02	TX mode (2.4G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	04	TX mode (2.4G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	06	TX mode (2.4G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	08	TX mode (2.4G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	10	TX mode (2.4G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	12	TX mode (2.4G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter



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@gs.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

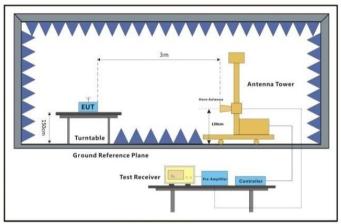


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 81 of 232

7.4.3 Test Setup Diagram



Above 1GHz



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

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

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/1 Report No.: SZCR250200049201

> Page: 82 of 232

7.4.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
- 5:For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥1/T (Duty cycle<98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.



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@gs.com"

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

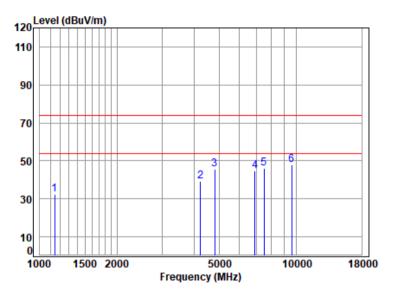


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 83 of 232

SDR_3M_Horizontal-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2405.5 TX RSE

: 2.4G SDR 3M

		Freq			Preamp Factor					Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1142.201	7.14	25.43	54.70	54.64	32.51	74.00	-41.49	peak
2		4230.396	8.49	30.98	55.76	55.64	39.35	74.00	-34.65	peak
3		4807.000	8.91	31.93	56.16	61.08	45.76	74.00	-28.24	peak
4		6914.763	10.94	36.17	56.72	54.24	44.63	74.00	-29.37	peak
5		7497.646	10.90	36.80	56.30	54.67	46.07	74.00	-27.93	Peak
6	nn	9614 000	12 40	38 77	54 45	51 17	47 89	74 00	-26 11	neak



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

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

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

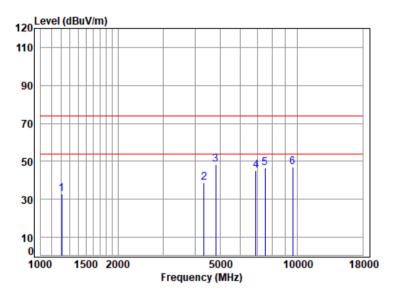


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 84 of 232

SDR 3M Vertical-L



Condition: 3m VERTICAL : 00492AT Job No

Mode : 2405.5 TX RSE

: 2.4G SDR 3M

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
4		4206 602	7.40	25. 20	E4 70	FF 46	72.05	74.00	44 05	
1		1206.682	7.19	25.30	54.70	55.16	32.95	74.00	-41.05	реак
2		4329.354	8.48	31.30	55.83	54.76	38.71	74.00	-35.29	peak
3	pp	4807.000	8.91	31.93	56.16	63.90	48.58	74.00	-25.42	peak
4		6894.806	10.94	36.18	56.72	54.62	45.02	74.00	-28.98	peak
5		7497.646	10.90	36.80	56.30	55.04	46.44	74.00	-27.56	Peak
6		9614.000	12.40	38.77	54.45	50.31	47.03	74.00	-26.97	peak



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

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

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

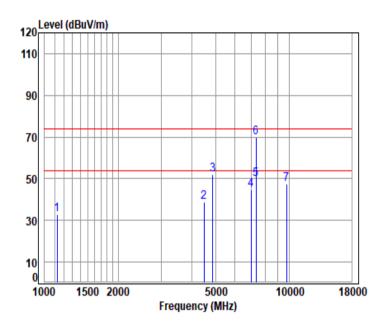


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 85 of 232

SDR 3M Horizontal-M



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2437.88 TX RSE

: 2.4G SDR 3M

			0 5511	211						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1125.813	7.12	25.50	54.70	54.93	32.85	74.00	-41.15	peak
2		4495.125	8.56	31.58	55.95	54.71	38.90	74.00	-35.10	peak
3		4875.760	8.98	32.15	56.21	67.30	52.22	74.00	-21.78	peak
4		6974.982	10.95	36.15	56.71	54.52	44.91	74.00	-29.09	peak
5	pp	7313.640	11.11	36.73	56.45	58.56	49.95	54.00	-4.05	Average
6	pk	7313.640	11.11	36.73	56.45	78.35	69.74	74.00	-4.26	peak
7		9751,520	12.82	38,60	54.32	50.50	47.60	74.00	-26.40	neak



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@gs.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 Member of the SGS Group (SGS SA)

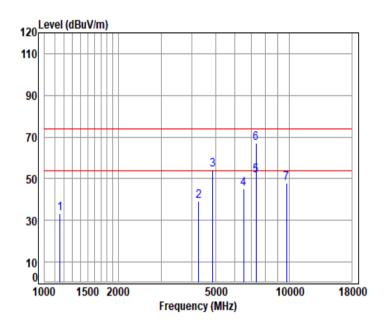


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 86 of 232

SDR 3M Vertical-M



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2437.88 TX RSE

: 2.4G SDR 3M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1158.828	7.15	25.38	54.70	55.37	33.20	74.00	-40.80	peak
2	4267.237	8.47	31.17	55.79	55.18	39.03	74.00	-34.97	peak
3	4875.760	8.98	32.15	56.21	69.16	54.08	74.00	-19.92	peak
4	6507.536	10.68	34.92	56.80	56.26	45.06	74.00	-28.94	peak
5 pp	7313.640	11.11	36.73	56.45	60.12	51.51	54.00	-2.49	Average
6 pl	k 7313.640	11.11	36.73	56.45	75.75	67.14	74.00	-6.86	peak
7	9751.520	12.82	38.60	54.32	51.03	48.13	74.00	-25.87	peak



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

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

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

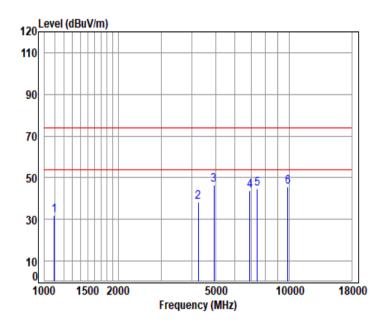


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 87 of 232

SDR 3M Horizontal-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2468.2 TX RSE

: 2.4G SDR 3M

		. 2.7	יוטכ ט	211						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1096.904	7.10	25.59	54.70	53.75	31.74	74.00	-42.26	peak
2		4242.641	8.48	31.06	55.77	54.48	38.25	74.00	-35.75	peak
3	pp	4936.400	9.04	32.20	56.26	61.61	46.59	74.00	-27.41	peak
4		6894.806	10.94	36.18	56.72	53.20	43.60	74.00	-30.40	peak
5		7404.600	11.19	36.71	56.38	53.27	44.79	74.00	-29.21	peak
6		9872.800	12.77	38.30	54.21	48.62	45.48	74.00	-28.52	neak



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

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

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

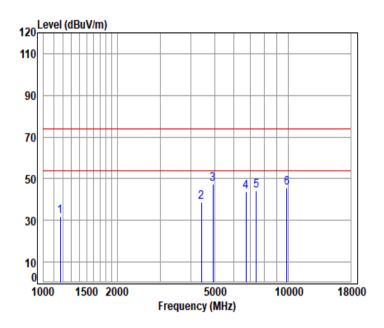


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 88 of 232

SDR 3M Vertical-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2468.2 TX RSE

: 2.4G SDR 3M

		. 2.4	אושב ה	Jin.							
			Cable	Ant	Preamp	Read		Limit	0ver		
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
											_
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1		1172.303	7.17	25.36	54.70	54.26	32.09	74.00	-41.91	peak	
2		4417.841	8.54	31.27	55.89	54.76	38.68	74.00	-35.32	peak	
3	pp	4936.400	9.04	32.20	56.26	62.62	47.60	74.00	-26.40	peak	
4		6717.762	10.84	35.51	56.76	54.13	43.72	74.00	-30.28	peak	
5		7404.600	11.19	36.71	56.38	52.76	44.28	74.00	-29.72	peak	
6		9872.800	12.77	38.30	54.21	48.83	45.69	74.00	-28.31	peak	



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

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

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

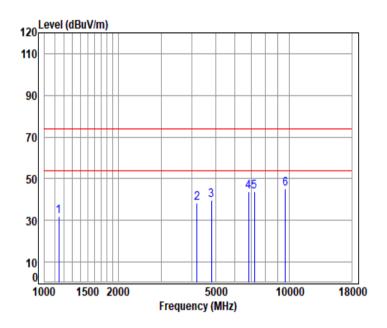


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 89 of 232

SDR 10M Horizontal-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2407.5 TX RSE

: 2.4G SDR 10M

			0 5511	1011						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1145.507	7.14	25.42	54.70	54.12	31.98	74.00	-42.02	peak
2		4206.011	8.51	30.84	55.74	54.71	38.32	74.00	-35.68	peak
3		4815.000	8.91	31.96	56.17	54.80	39.50	74.00	-34.50	peak
4		6815.551	10.97	35.93	56.74	53.76	43.92	74.00	-30.08	peak
5		7222.500	11.10	36.60	56.52	52.76	43.94	74.00	-30.06	peak
6	nn	9630,000	12.44	38 74	54 43	48 51	45 26	74 00	-28 74	neak



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@gs.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

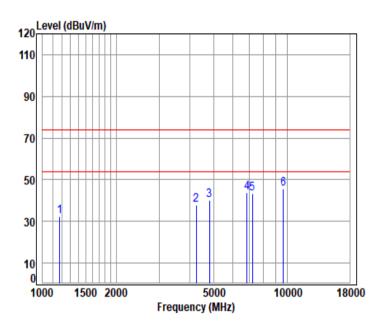


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 90 of 232

SDR 10M Vertical-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2407.5 TX RSE

: 2.4G SDR 10M

Cable Ant Preamp Read Limit 0ver Freq Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m dB dB/m dB 1175.697 7.17 25.35 54.70 54.38 32.20 74.00 -41.80 peak 1 2 4254.921 8.48 31.12 55.78 54.02 37.84 74.00 -36.16 peak 8.91 31.96 56.17 55.26 3 4815.000 39.96 74.00 -34.04 peak 4 6855.063 10.96 36.02 56.73 53.51 43.76 74.00 -30.24 peak 5 7222.500 11.10 36.60 56.52 52.35 43.53 74.00 -30.47 peak 6 pp 9630.000 12.44 38.74 54.43 49.05 45.80 74.00 -28.20 peak



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@gs.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

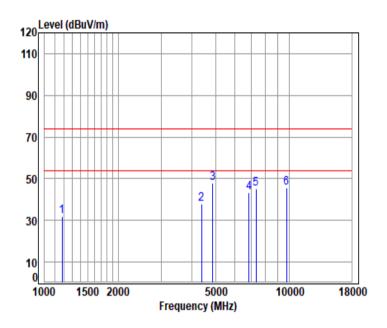


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 91 of 232

SDR 10M Horizontal-M



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2437.5 TX RSE

: 2.4G SDR 10M

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1179.100	7.17	25.34	54.70	54.11	31.92	74.00	-42.08	peak
2		4392.376	8.53	31.22	55.87	54.20	38.08	74.00	-35.92	peak
3	pp	4875.000	8.98	32.15	56.21	63.10	48.02	74.00	-25.98	peak
4		6855.063	10.96	36.02	56.73	52.89	43.14	74.00	-30.86	peak
5		7312.500	11.11	36.72	56.45	53.74	45.12	74.00	-28.88	peak
6		9750 000	12 81	38 60	54 32	48 39	45 48	74 99	-28 52	neak



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

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

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

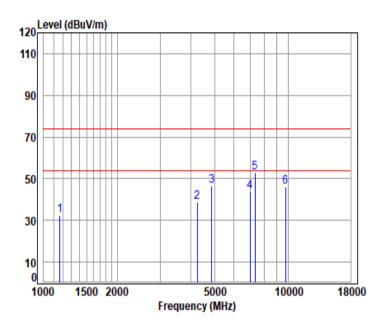


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 92 of 232

SDR 10M Vertical-M



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2437.5 TX RSE

: 2.4G SDR 10M

	. 2.4	אשב ש	1011						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1165.546	7.16	25.37	54.70	54.49	32.32	74.00	-41.68	peak
2	4242.641	8.48	31.06	55.77	54.85	38.62	74.00	-35.38	peak
3	4875.000	8.98	32.15	56.21	61.62	46.54	74.00	-27.46	peak
4	6995.172	10.96	36.19	56.70	53.44	43.89	74.00	-30.11	peak
5 pp	7312.500	11.11	36.72	56.45	61.48	52.86	74.00	-21.14	peak
6	9750.000	12.81	38.60	54.32	49.15	46.24	74.00	-27.76	peak



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

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

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 Member of the SGS Group (SGS SA)

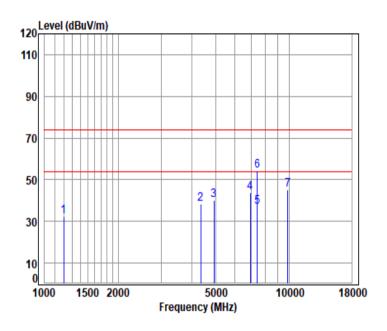


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 93 of 232

SDR 10M Horizontal-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 2467.5 TX RSE

: 2.4G SDR 10M

		. 2.7	יושכ ט	1011						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB	
1		1196.264	7.19	25.31	54.70	54.49	32.29	74.00	-41.71	neak
2		4354.454								•
3		4935.000	9.04	32.20	56.25	55.25	40.24	74.00	-33.76	peak
4		6934.778	10.95	36.13	56.71	53.34	43.71	74.00	-30.29	peak
5	pp	7402.500	11.19	36.71	56.38	45.45	36.97	54.00	-17.03	Average
6	pk	7402.500	11.19	36.71	56.38	62.84	54.36	74.00	-19.64	peak
7		9870.000	12.78	38.24	54.22	48.60	45.40	74.00	-28.60	peak



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

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

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

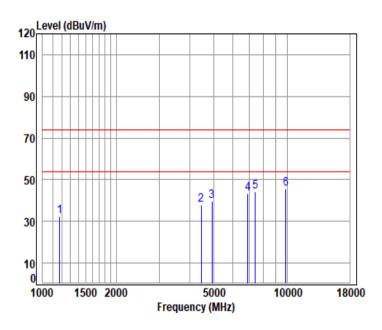


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 94 of 232

SDR 10M Vertical-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 2467.5 TX RSE

: 2.4G SDR 10M

			u 2011	1011						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1175.697	7.17	25.35	54.70	54.67	32.49	74.00	-41.51	peak
2		4456.315	8.55	31.43	55.92	54.00	38.06	74.00	-35.94	peak
3		4935.000	9.04	32.20	56.25	54.91	39.90	74.00	-34.10	peak
4		6894.806	10.94	36.18	56.72	52.78	43.18	74.00	-30.82	peak
5		7402.500	11.19	36.71	56.38	52.53	44.05	74.00	-29.95	peak
6	nn	9870 000	12.78	38.24	54.22	48 68	45 48	74 00	-28 52	neak



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

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

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



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 95 of 232

7.5 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3) Test Method: ANSI C63.10 (2013) Section 11.9.1

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
	1 for ≥50 hopping channels
902-928	0.25 for 25≤ hopping channels <50
	1 for digital modulation
	1 for ≥75 non-overlapping hopping channels
2400-2483.5	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

	7.0.2 Test mode besorption								
Pre-scan / Final test	Mode Code	Description							
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode							
Final test	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode							
Final test	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode							
Final test	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode							
Final test	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode							
Final test	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode							
Final test	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode							



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@gs.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

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

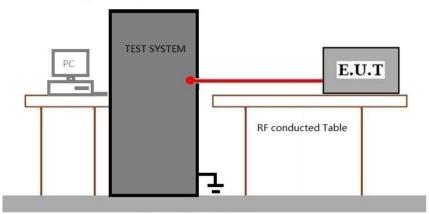


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 96 of 232

7.5.3 Test Setup Diagram



Ground Reference Plane

7.5.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details



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@gs.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



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 97 of 232

7.6 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2) Test Method: ANSI C63.10 (2013) Section 11.8.1

Limit:

≥500 kHz

7.6.1 E.U.T. Operation

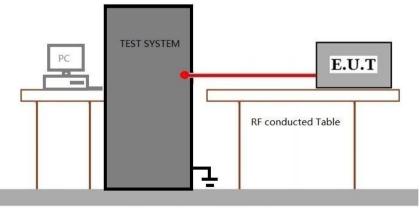
Operating Environment:

Atmospheric Pressure: 1020 mbar Temperature: 23.2 °C Humidity: 50.5 % RH

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode
Final test	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode
Final test	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode
Final test	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode
Final test	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode
Final test	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode
Final test	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode

7.6.3 Test Setup Diagram



Ground Reference Plane

7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 98 of 232

7.7 Power Spectrum Density

Test Requirement

47 CFR Part 15, Subpart C 15.247(e)

Test Method:

ANSI C63.10 (2013) Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

7.7.1 E.U.T. Operation

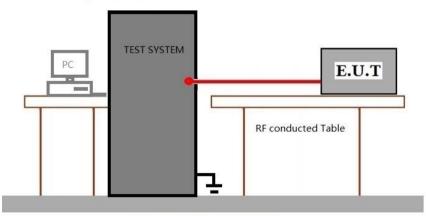
Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

· · · · · · · · · · · · · · · · · · ·							
Pre-scan / Final test	Mode Code	Description					
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode					
Final test	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode					
Final test	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode					
Final test	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode					
Final test	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode					
Final test	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode					
Final test	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode					

7.7.3 Test Setup Diagram



Ground Reference Plane

7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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@gs.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



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 99 of 232

7.8 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d) Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1020 mbar

7 0 2 Tool Made Deceription

7.8.2 Test Mode Description								
Pre-scan / Final test	Mode Code	Description						
i iiiai tost	Code							
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode						
Final test	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode						
Final test	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode						
Final test	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode						
Final test	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode						
Final test	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode						
Final test	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode						



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@gs.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

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

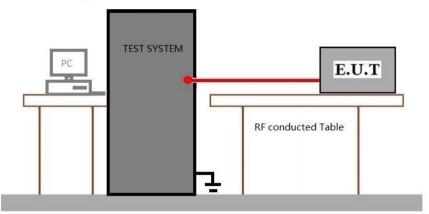


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 100 of 232

7.8.3 Test Setup Diagram



Ground Reference Plane

7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

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

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



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 101 of 232

7.9 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d) Test Method: ANSI C63.10 (2013) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Tiola Tool Mode Booth priori							
Pre-scan / Final test	Mode Code	Description					
Final test	01	TX mode (2.4G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode					
Final test	03	TX mode (2.4G SDR_3MHz) + Charging_Keep the EUT in transmitting mode					
Final test	05	TX mode (2.4G SDR_5MHz) + Charging_Keep the EUT in transmitting mode					
Final test	07	TX mode (2.4G SDR_10MHz) + Charging_Keep the EUT in transmitting mode					
Final test	09	TX mode (2.4G SDR_20MHz) + Charging_Keep the EUT in transmitting mode					
Final test	11	TX mode (2.4G SDR_40MHz) + Charging_Keep the EUT in transmitting mode					
Final test	13	TX mode (2.4G SDR_60MHz) + Charging_Keep the EUT in transmitting mode					



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@gs.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

t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

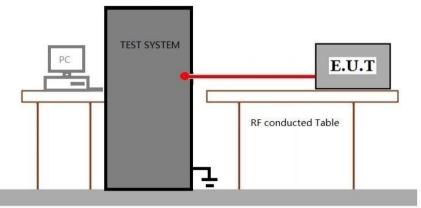


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 102 of 232

7.9.3 Test Setup Diagram



Ground Reference Plane

7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

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

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



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 103 of 232

Test Setup Photo 8

Refer to Appendix - Test Setup Photo for SZCR2502000492AT

EUT Constructional Details (EUT Photos) 9

Refer to External and Internal Photos for SZCR2502000492AT



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@gs.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/1 Report No.: SZCR250200049201

> Page: 104 of 232

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1										
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)			
1.4M	MIMO	2403.5	100.000	100.000	100.00	0.00	0.00			
		2437.5	100.000	100.000	100.00	0.00	0.00			
		2469.12	100.000	100.000	100.00	0.00	0.00			
ЗМ	MIMO	2405.5	100.000	100.000	100.00	0.00	0.00			
		2437.88	100.000	100.000	100.00	0.00	0.00			
		2468.2	100.000	100.000	100.00	0.00	0.00			
	MIMO	2404.5	100.000	100.000	100.00	0.00	0.00			
5M		2437.74	100.000	100.000	100.00	0.00	0.00			
		2469.5	100.000	100.000	100.00	0.00	0.00			
10M	MIMO	2407.5	100.000	100.000	100.00	0.00	0.00			
		2437.5	100.000	100.000	100.00	0.00	0.00			
		2467.5	100.000	100.000	100.00	0.00	0.00			
	MIMO	2412.5	100.000	100.000	100.00	0.00	0.00			
20M		2437.5	100.000	100.000	100.00	0.00	0.00			
		2462.5	100.000	100.000	100.00	0.00	0.00			
40M	MIMO	2422.5	100.000	100.000	100.00	0.00	0.00			
		2437.5	100.000	100.000	100.00	0.00	0.00			
		2452.5	100.000	100.000	100.00	0.00	0.00			
60M	MIMO	2432.5	100.000	100.000	100.00	0.00	0.00			
		2437.5	100.000	100.000	100.00	0.00	0.00			
		2442.5	100.000	100.000	100.00	0.00	0.00			



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

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

No.1 Workshop, M-10, Middle Section, Science & Technology Part, 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



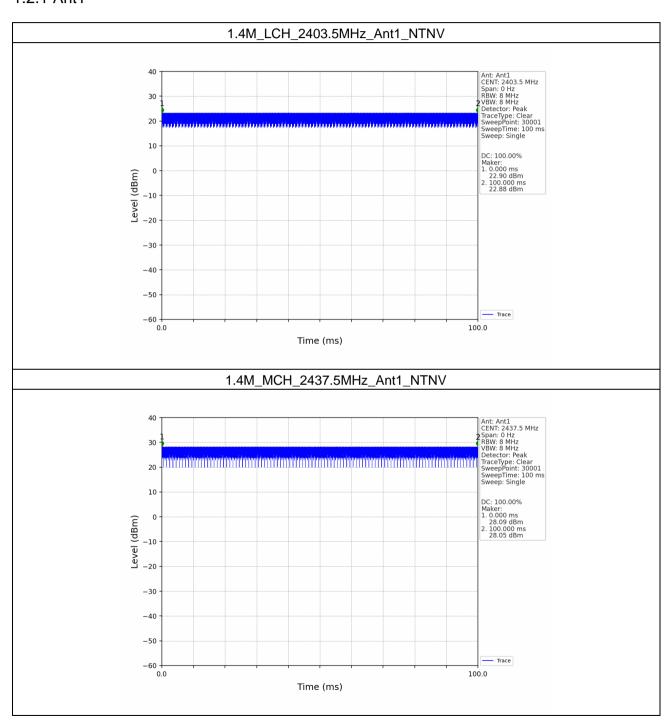
SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 105 of 232

1.2 Test Graph

1.2.1 Ant1





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

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

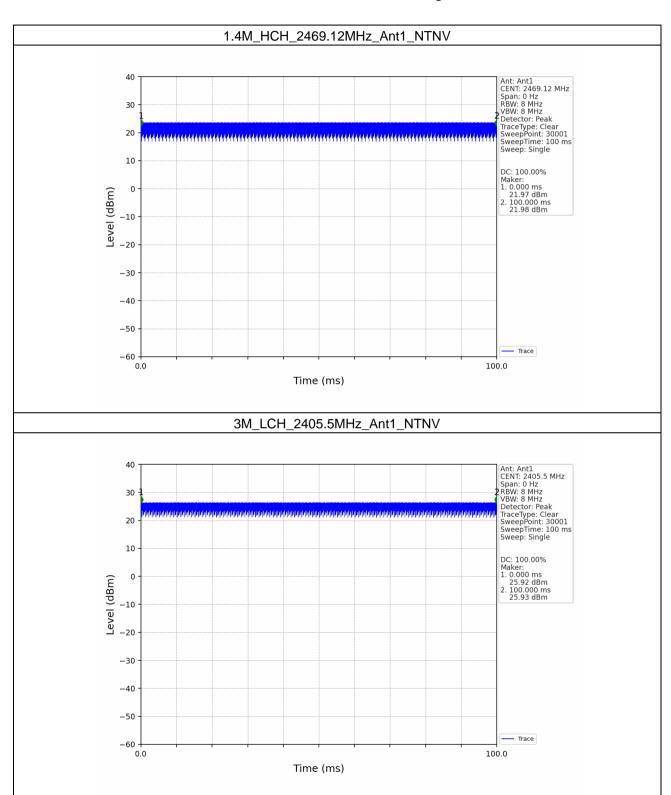
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
No.Workshy, M.M. Midds Sexton, Sextera Fathology Park, Narshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 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/1

Report No.: SZCR250200049201

Page: 106 of 232





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@egs.com"

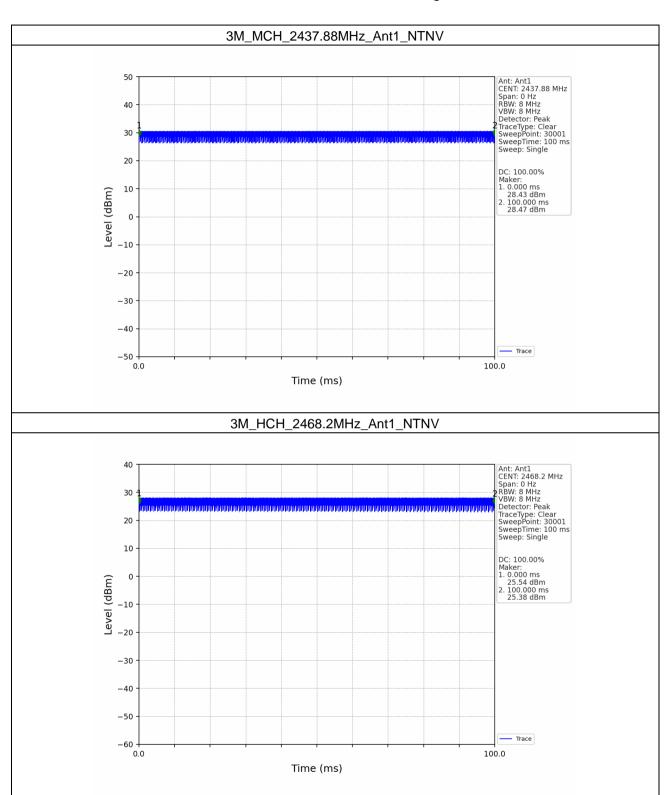
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 107 of 232





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@egs.com"

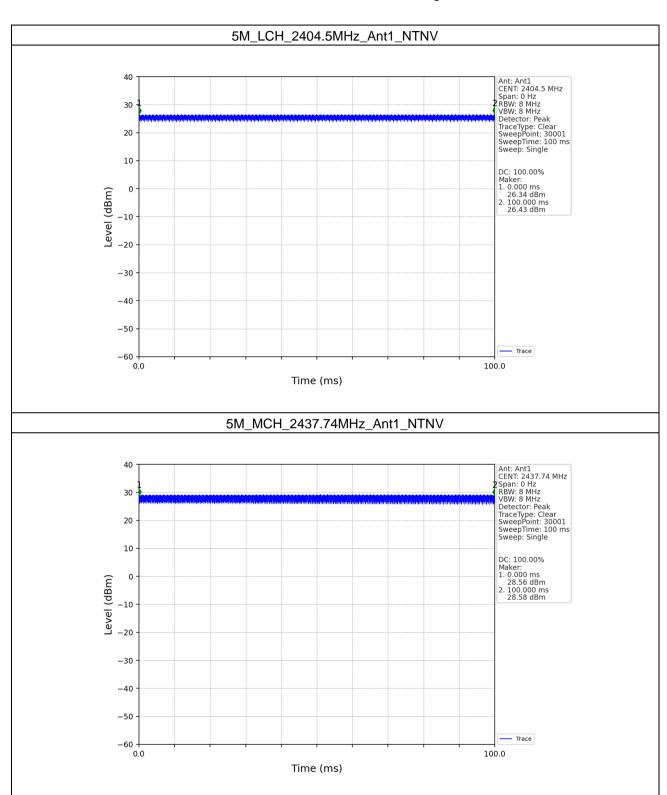
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 108 of 232





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@egs.com"

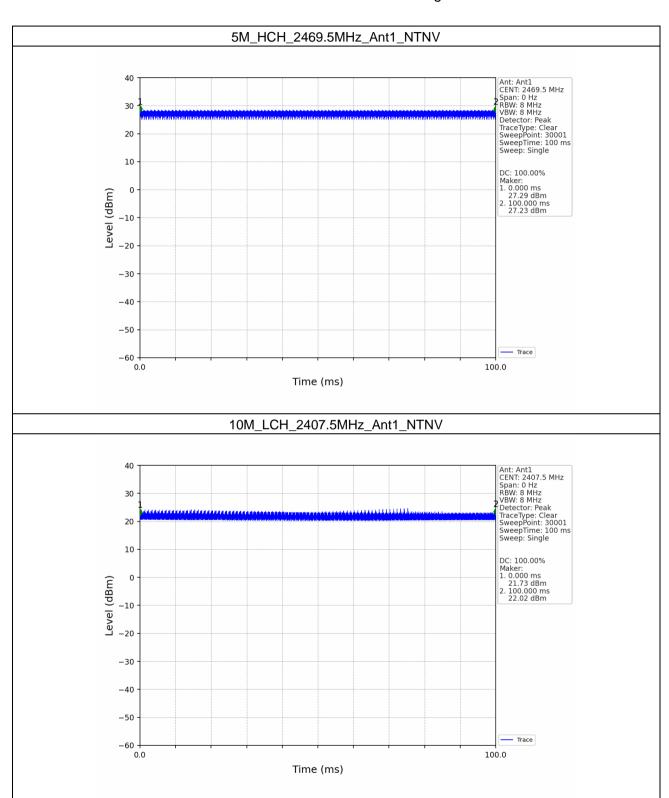
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 109 of 232





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@egs.com"

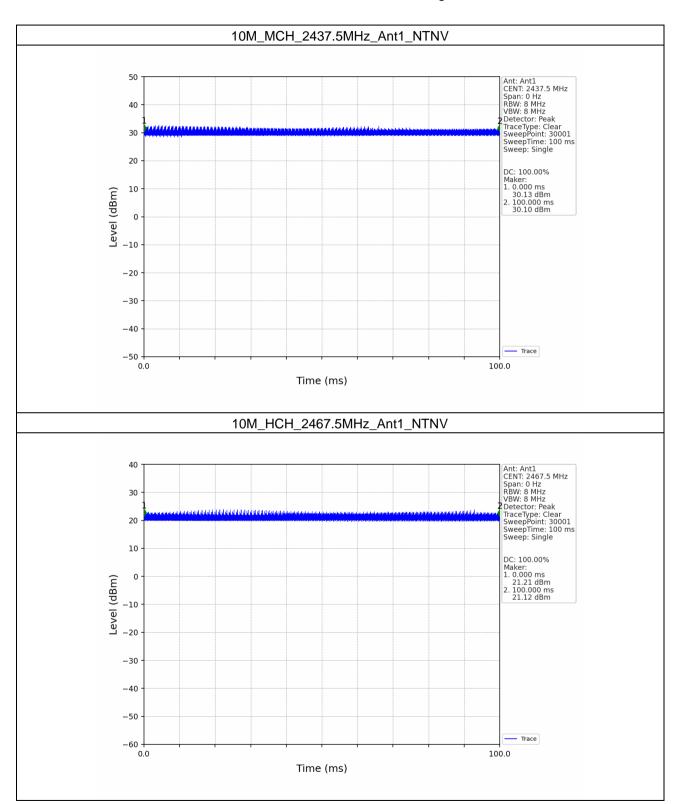
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 110 of 232





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.

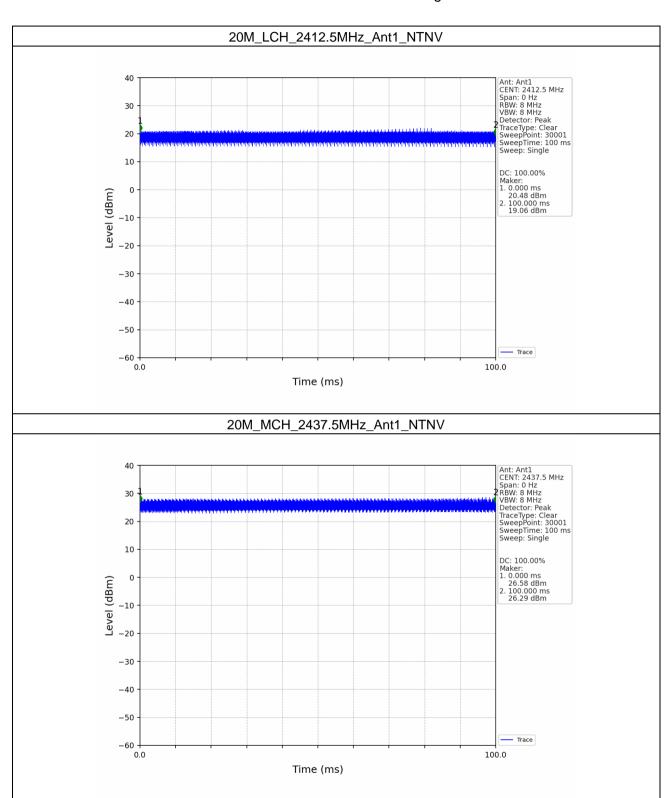
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@egs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 111 of 232





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@egs.com"

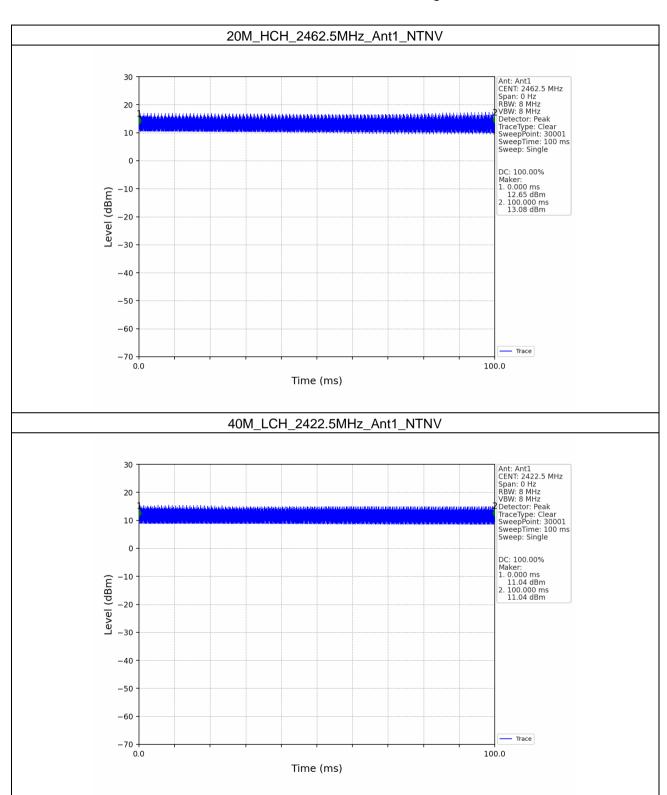
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 112 of 232





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 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"

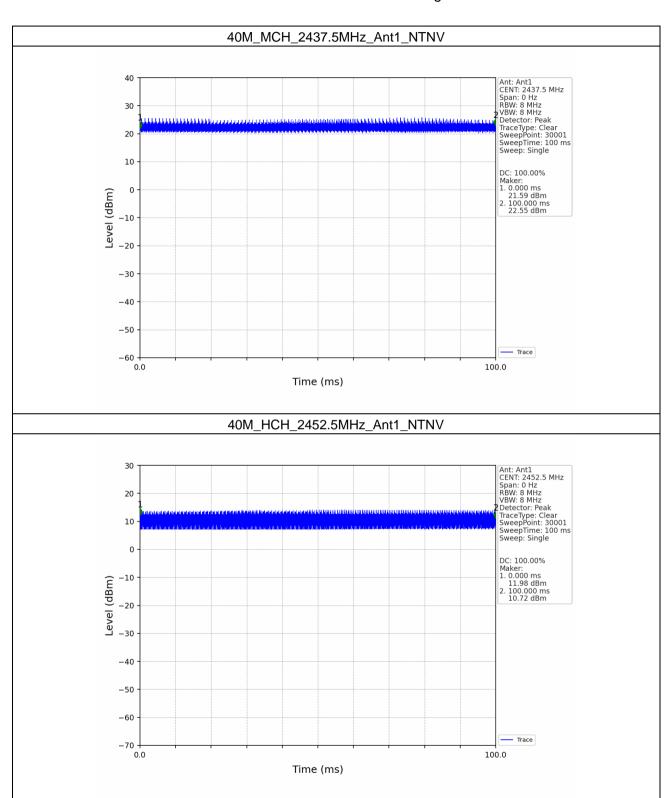
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 113 of 232





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@egs.com"

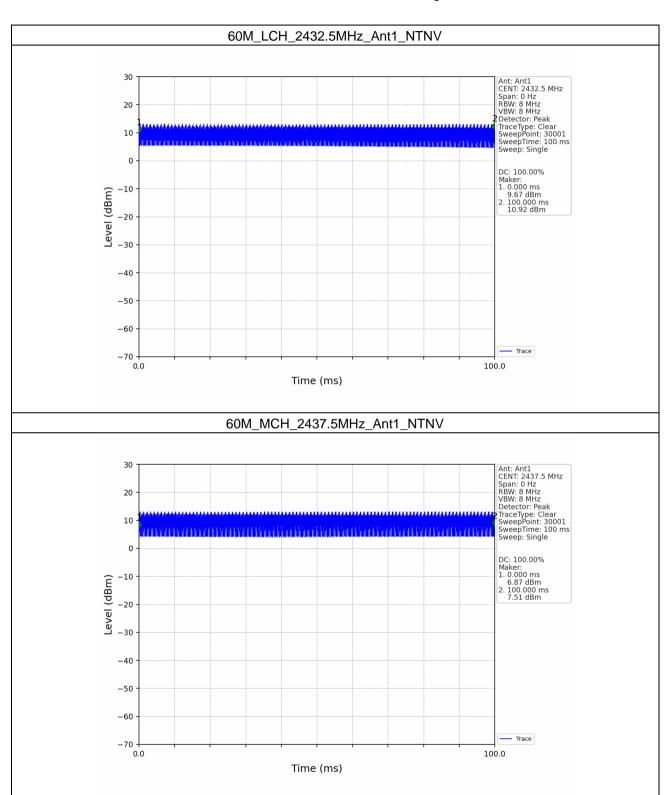
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 114 of 232





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@egs.com"

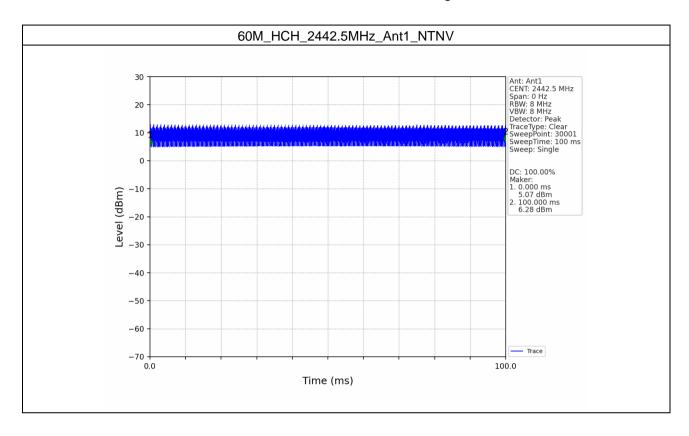
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 115 of 232





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

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

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



SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049201

> Page: 116 of 232

2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Marilla.
				Result	Limit	Verdict
1.4M	MIMO	2403.5	1	1.361	/	Pass
		2437.5	1	1.386	/	Pass
		2469.12	1	1.379	/	Pass
3M	MIMO	2405.5	1	2.349	/	Pass
		2437.88	1	2.380	/	Pass
		2468.2	1	2.360	/	Pass
	MIMO	2404.5	1	4.494	/	Pass
5M		2437.74	1	4.534	/	Pass
		2469.5	1	4.516	/	Pass
	MIMO	2407.5	1	9.114	/	Pass
10M		2437.5	1	9.124	/	Pass
		2467.5	1	9.112	/	Pass
	MIMO	2412.5	1	17.875	/	Pass
20M		2437.5	1	17.901	/	Pass
		2462.5	1	18.026	/	Pass
	MIMO	2422.5	1	36.083	1	Pass
40M		2437.5	1	32.145	/	Pass
		2452.5	1	36.109	1	Pass
<u>-</u>	MIMO	2432.5	1	53.844		Pass
60M		2437.5	1	53.836	/	Pass
		2442.5	1	53.862	/	Pass



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

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

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



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 117 of 232

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Market
				Result	Limit	Verdict
1.4M	MIMO	2403.5	1	1.113	>=0.5	Pass
		2437.5	1	1.113	>=0.5	Pass
		2469.12	1	1.116	>=0.5	Pass
3M	MIMO	2405.5	1	2.192	>=0.5	Pass
		2437.88	1	2.192	>=0.5	Pass
		2468.2	1	2.193	>=0.5	Pass
	MIMO	2404.5	1	4.352	>=0.5	Pass
5M		2437.74	1	4.350	>=0.5	Pass
		2469.5	1	4.358	>=0.5	Pass
	MIMO	2407.5	1	9.024	>=0.5	Pass
10M		2437.5	1	9.026	>=0.5	Pass
		2467.5	1	9.025	>=0.5	Pass
20M	MIMO	2412.5	1	16.733	>=0.5	Pass
		2437.5	1	16.608	>=0.5	Pass
		2462.5	1	18.001	>=0.5	Pass
40M	MIMO	2422.5	1	36.013	>=0.5	Pass
		2437.5	1	21.170	>=0.5	Pass
		2452.5	1	36.008	>=0.5	Pass
	MIMO	2432.5	1	53.684	>=0.5	Pass
60M		2437.5	1	53.677	>=0.5	Pass
		2442.5	1	53.747	>=0.5	Pass



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

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

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



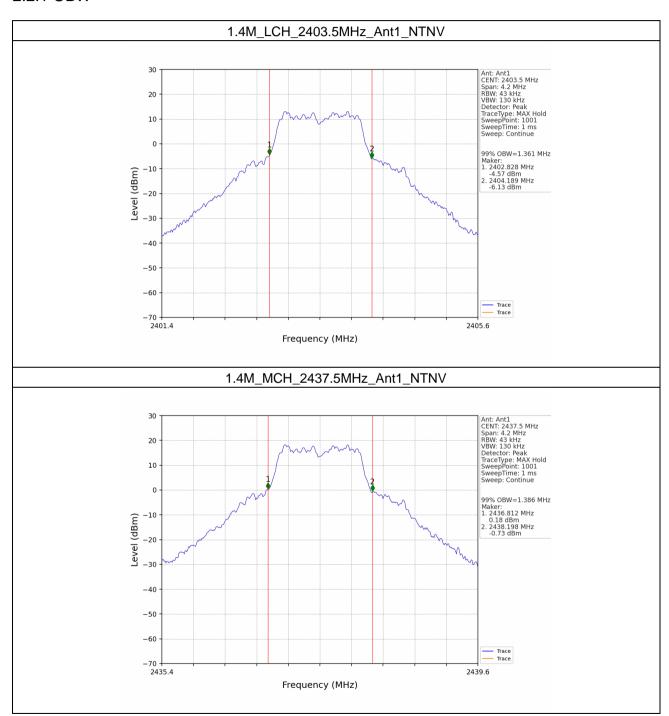
SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 118 of 232

2.2 Test Graph

2.2.1 OBW





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@gs.com"

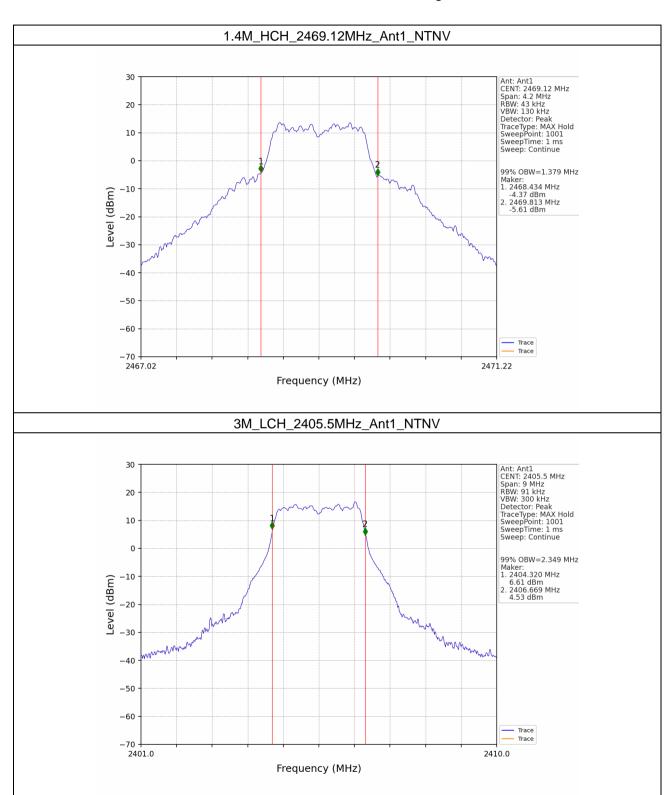
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 119 of 232





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.

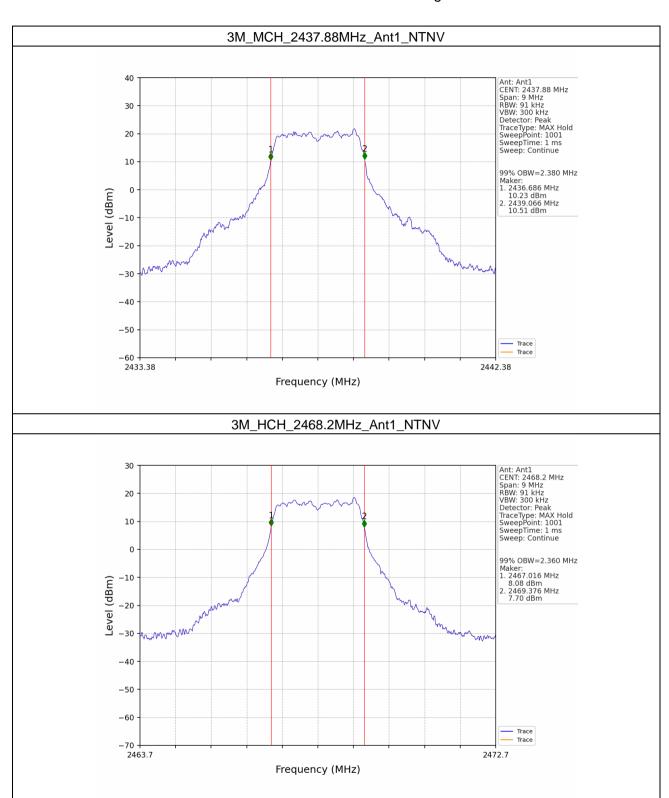
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 120 of 232





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@gs.com"

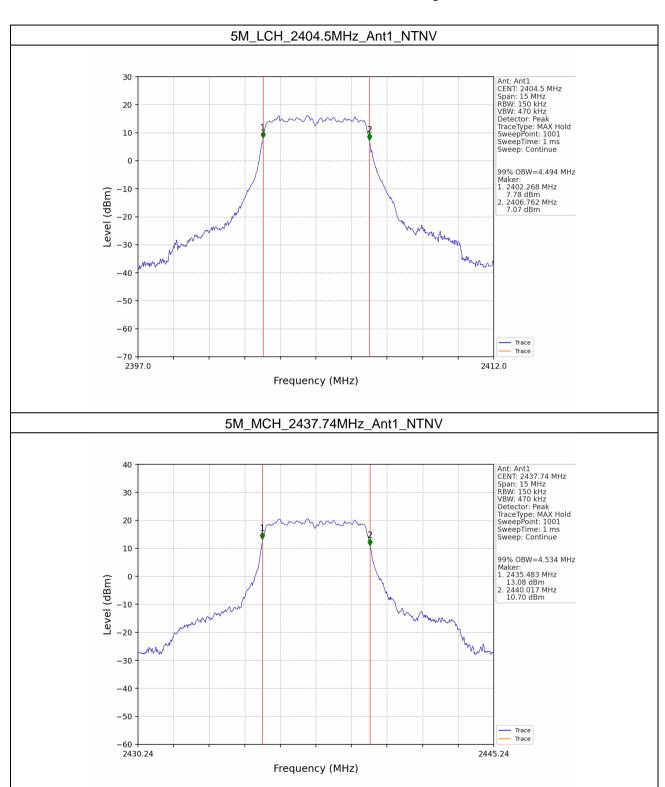
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 121 of 232





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.

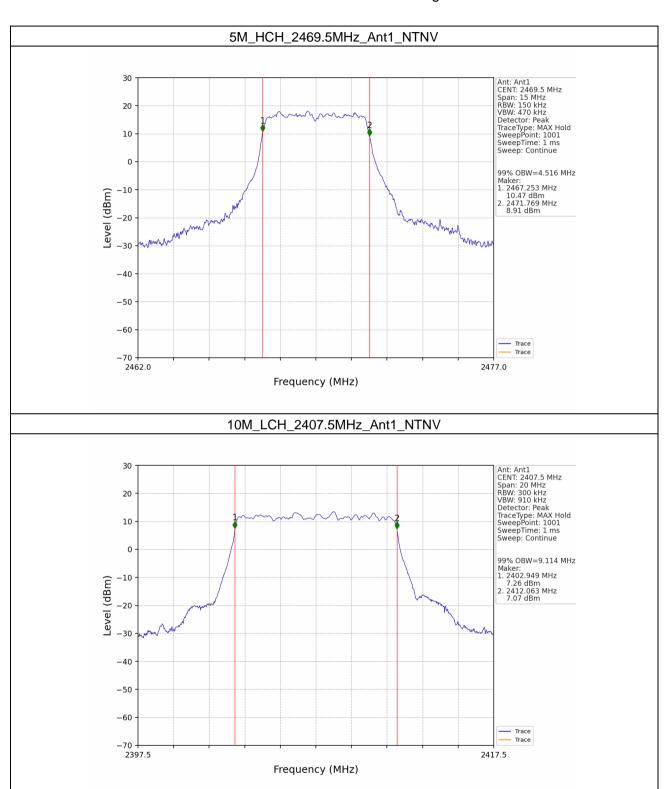
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 122 of 232





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.

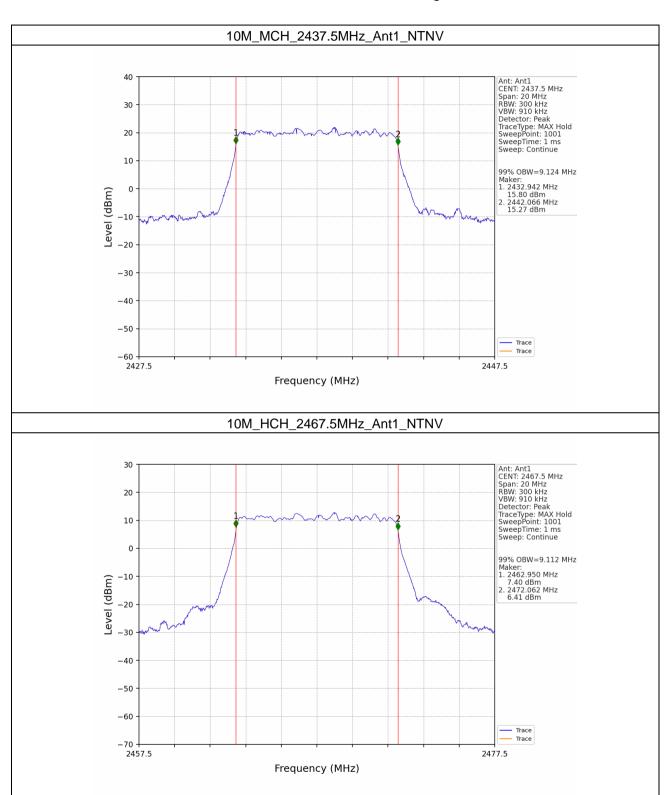
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@egs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 123 of 232





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.

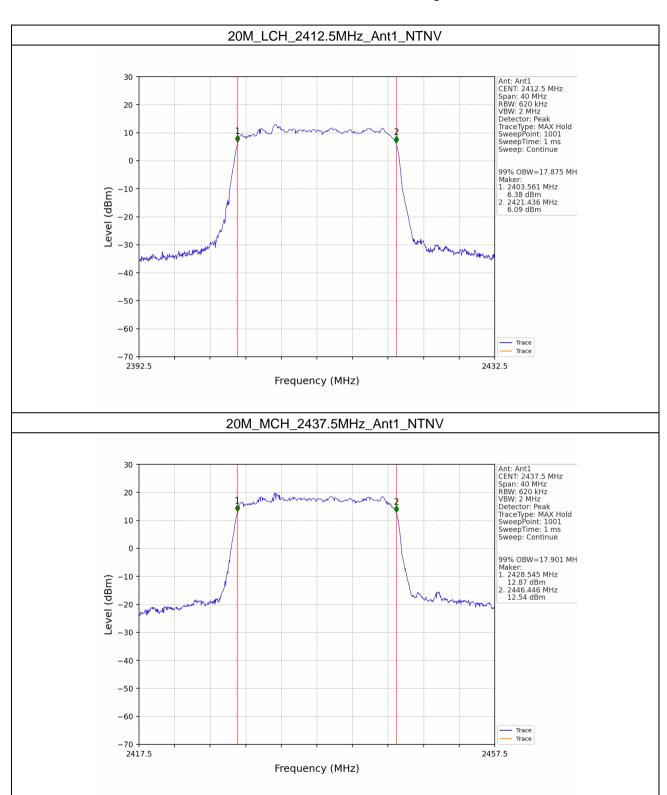
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@egs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 124 of 232





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.

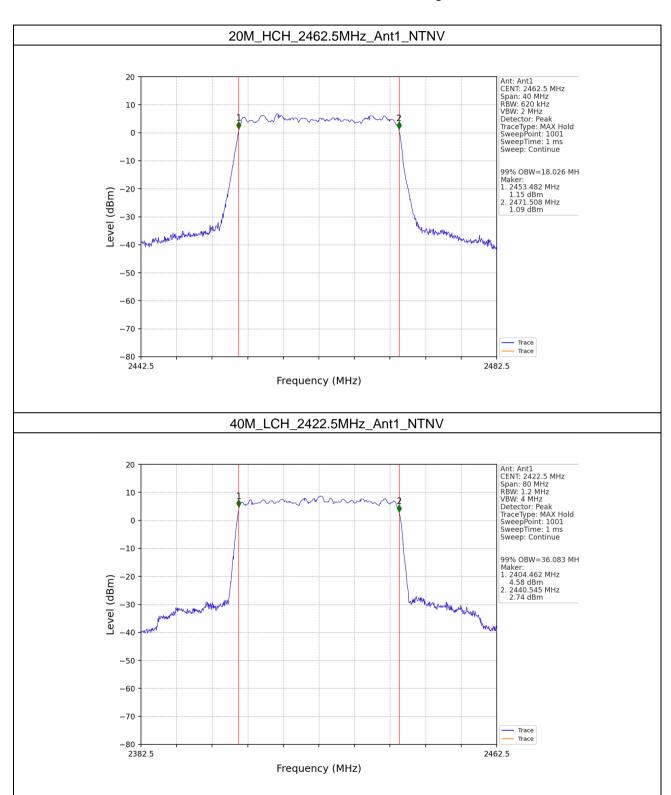
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 125 of 232





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.

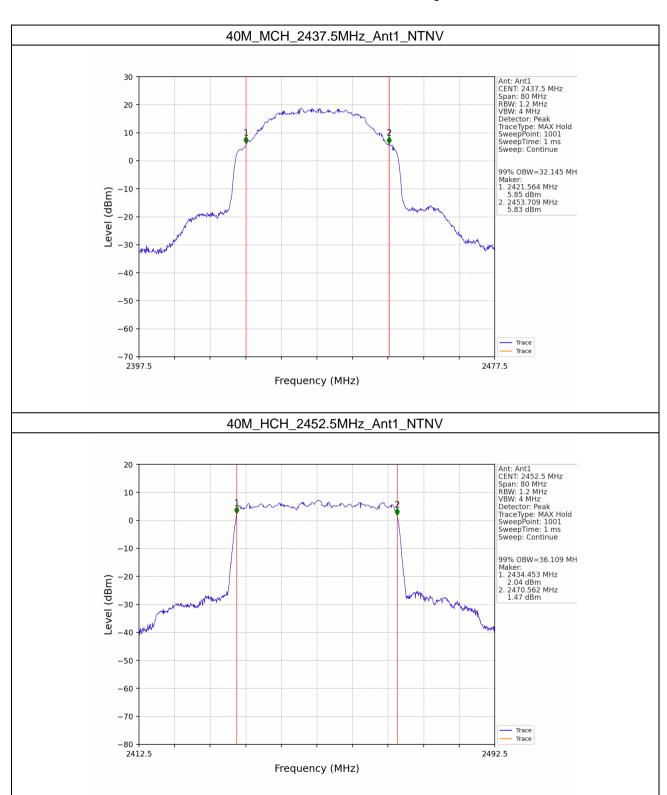
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 126 of 232





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.

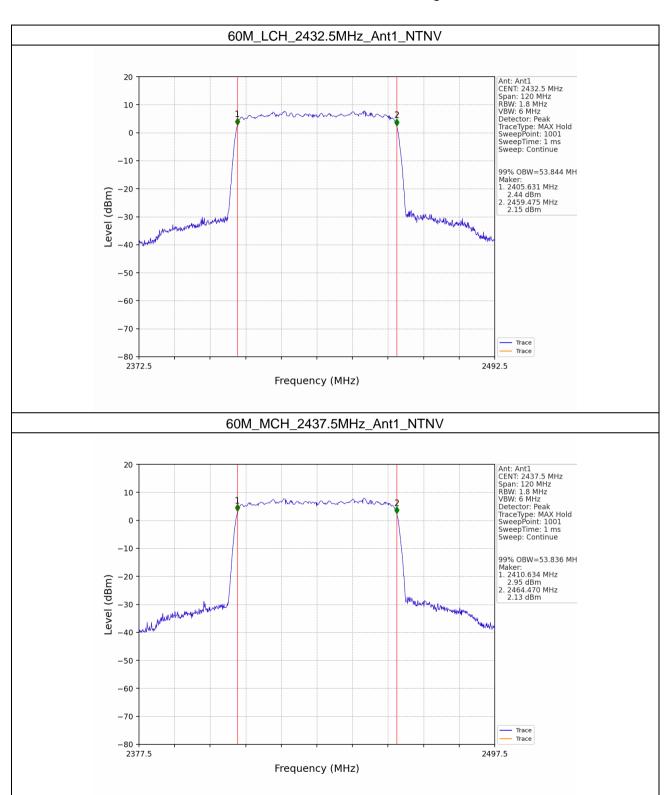
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@egs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 127 of 232





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.

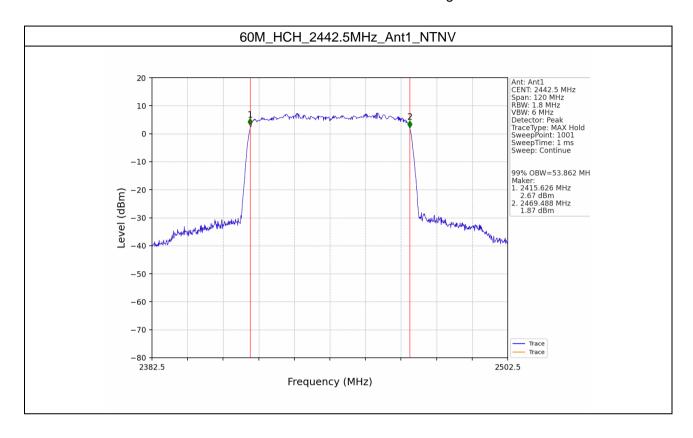
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@gs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 128 of 232





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@gs.com"

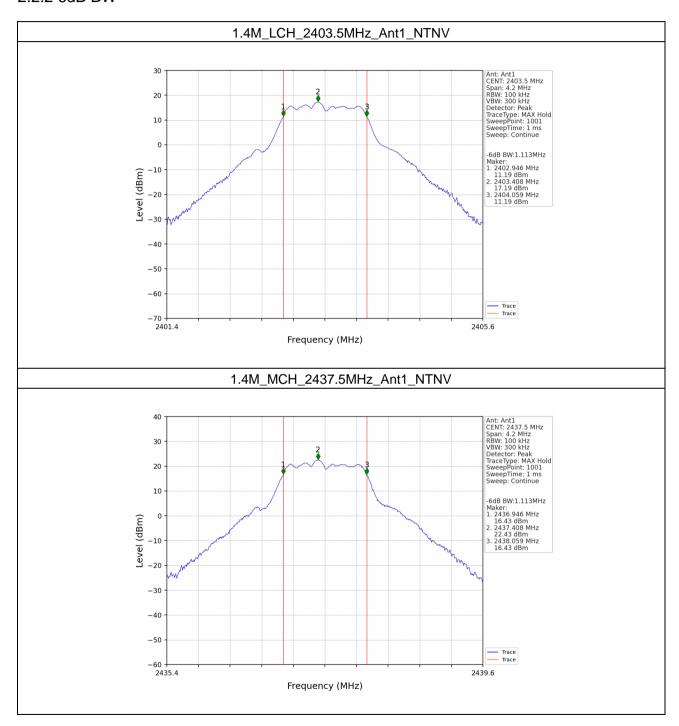


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 129 of 232

2.2.2 6dB BW





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

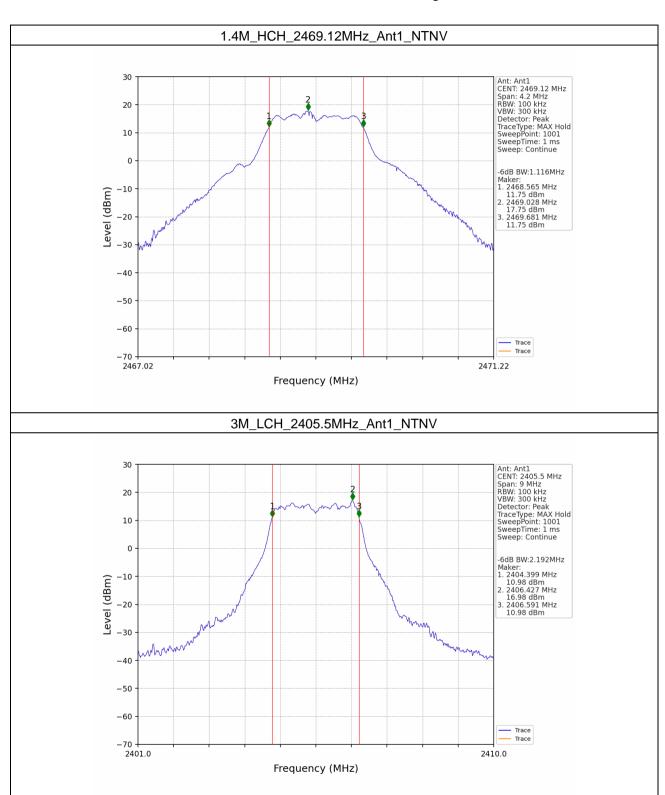
No.1 Workshop, Mr-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 130 of 232





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.

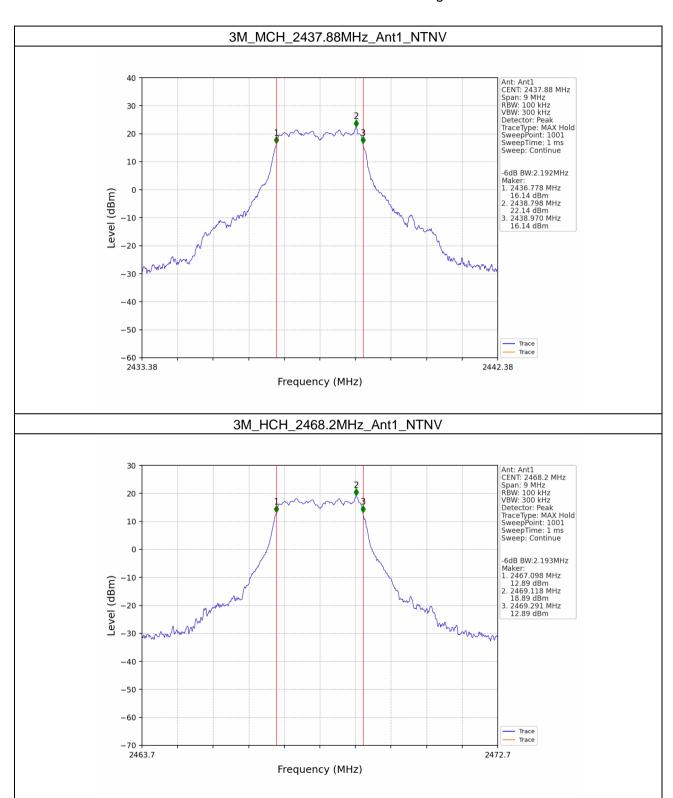
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@egs.com"



SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200049201

Page: 131 of 232





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@gs.com"