



Report No.: SZEM190801728305 Page: 1 of 6

SAR Evaluation Report

Application No.:	SZEM1908017283CR	
Applicant:	NEW AUDIO LLC.	
Address of Applicant:	132 W. 31st 7th Floor, New York, 10001, United States	
Manufacturer:	NEW AUDIO LLC.	
Address of Manufacturer:	132 W. 31st 7th Floor, New York, 10001, United States	
Factory:	Acoustic innovation(HuiZhou) Co, Ltd	
Address of Factory:	Xiangshuihe Industrial Area, Dayawan Development District, HuiZhou City, Guangdong Province, China.	
Equipment Under Test (EUT):		
EUT Name:	MW07GO True wireless stereo bluetooth earphone	
Model No.:	MW07GO	
Earphone Side:	Right	
Trade mark:	Master & Dynamic	
FCC ID:	2AGA7MW07GOR	
Standards:	47 CFR Part 1.1307	
	47 CFR Part 2.1093	
	KDB447498D01 General RF Exposure Guidance v06	
Date of Receipt:	2019-08-09	
Date of Test:	2019-08-21 to 2019-08-27	
Date of Issue:	2019-09-05	
Test Result :	PASS*	

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

Keny. XN

Keny Xu EMC Laboratory Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings 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 from exercising all their rights and obligations under the transaction documents. 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 relatined 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, Midule Section, Ocletics & Technology Park, Shelizieri, Chilla 518057 中国・深圳・科技园中区M-10栋一号厂房 邮编: 518057

winita 318057 t (86-755)20012003 t (86-755)26010394 v

f (86–755) 26710594 sgs.china@sgs.com Member of the SGS Group (SGS SA)



Report No.: SZEM190801728305 Page: 2 of 6

2 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2019-09-05		Original

Authorized for issue by:		
	Bin chen	
	Bill Chen /Project Engineer	
	EvicFu	
	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 http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery 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 relained for 30 days only. Attention: To check the authenticity of testing linspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM.Doccheck@ags.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86–755) 26012053 t (86–755) 26710594 中国 • 深圳 • 科技园中区M-10栋一号厂房 邮编: 518057 t (86–755) 26012053 f (86–755) 26710594

sgs.china@sgs.com



Report No.: SZEM190801728305 Page: 3 of 6

Contents 3

Page

cov	'ER PAGE	1
VER	SION	2
CONTENTS		3
GENERAL INFORMATION		
4.1		
4.2	TEST LOCATION	5
4.3	TEST FACILITY	5
4.4		
4.5		
4.6	OTHER INFORMATION REQUESTED BY THE CUSTOMER	5
SAR	EVALUATION	6
5.1		
5.1.1	1 Standard Requirement	6
5.1.2	2 Limits	6
5.1.3	3 EUT RF Exposure	6
	VER CON GEN 4.1 4.2 4.3 4.4 4.5 4.6 5.1 5.1.1 5.1.1	GENERAL INFORMATION 4.1 GENERAL DESCRIPTION OF EUT 4.2 TEST LOCATION 4.3 TEST FACILITY 4.4 DEVIATION FROM STANDARDS 4.5 ABNORMALITIES FROM STANDARD CONDITIONS 4.6 OTHER INFORMATION REQUESTED BY THE CUSTOMER SAR EVALUATION



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 http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not excore a transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this terport refer only to the sample(s) test partetion, for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CM.Doccheck@esps.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国 · 深圳 · 科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594



> Report No.: SZEM190801728305 Page: 4 of 6

General Information 4

4.1 General Description of EUT

Power supply:	Right earphone:Rechargeable battery DC 3.7V 85mAh(Charge by charging box)
Operation Frequency:	2402MHz to 2480MHz
Bluetooth Version:	V5.0
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, π/4DQPSK, 8DPSK
Sample Type:	Portable production
Number of Channels:	79
Channel Spacing:	1MHz
Antenna Type:	Monopole Antenna
Antenna Gain:	Right earphone:-0.3dBi



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 http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings 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 Client and this document does not excore a transaction from exercising all their rights and obligations under the transaction documents. 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) test retaining. Any charge retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)83071443, or email: CN.Doccheck@ess.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86–755) 26012053 f (86–755) 26710594 www.sgsgroup.com.cn 中国 · 深圳 · 科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594



Report No.: SZEM190801728305 Page: 5 of 6

4.2 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, Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Fax: +86 (0) 755 2671 0594 No tests were sub-contracted.

4.3 Test Facility

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

• CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

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

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. 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: CN1178

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

Designation Number: CN1178. Test Firm Registration Number: 406779.

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.

4.4 Deviation from Standards

None.

4.5 Abnormalities from Standard Conditions

None.

4.6 Other Information Requested by the Customer

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 http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.Terms-en-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document concerve on 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 referonly 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 er mail: CN.Doccheck@gs.com



Report No.: SZEM190801728305 Page: 6 of 6

5 SAR Evaluation

5.1 RF Exposure Compliance Requirement

5.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

5.1.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] \cdot [$\sqrt{f}(GHz)$] \leq 3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

5.1.3 EUT RF Exposure

The Max. power (including tune-up tolerance) is 8.62 dBm on the highest channel 2.48 GHz (*) 8.62 dBm logarithmic terms convert to numeric result is nearly 7.28 mW According to the formula. calculate the test exclusion thresholds:

General RF Exposure = $\frac{(Max. Power of channel, including tune - up tolerance, mW) * \sqrt{f (GHZ)}}{(GHZ)}$	
(min.test separation distance,mm)	
General RF Exposure = (7.28 mW / 5 mm) x $\sqrt{2.48}$ GHz = 2.29 SAR requirement:	(1)
<i>S</i> = 3.0	(2)
(1) < (2)	
So the SAR report is not required.	

(*) Max. power refer to Report No.:SZEM190801728304

- End of the Report -



	Unless otherwise agreed in writing, this document is issued by the Company su overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Cr subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Cr Attention is drawn to the limitation of liability, indemnification and jurisdiction issu advised that information contained hereon reflects the Company's findings at the t Client's instructions, if any. The Company's sole responsibility is to its Client and transaction from exercising all their rights and obligations under the transaction except in full, without prior writen approval of the Company. Any unauthorized a appearance of this document is unlawful and offenders may be prosecuted to the fur results shown in this test report refer only to the sample(s) lested and such sample(s) Attention: To check the authenticity of testing /inspection report & certificate, for or email: CN.Doccheck@sas.com	onditions.aspx and, for electronic format documents, len/Terms-and-Conditions/Terms-e-Document.aspx. ress defined therein. Any holder of this document is time of its intervention only and within the limits of documents. This document cannot be reproduced alteration, forgery or falsification of the content or ulset extent of the law. Unless otherwise stated the
d.	d. No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86–755)	26012053 f (86-755) 26710594 www.sgsgroup.com.cn
	中国・深圳・科技园中区M-10栋一号厂房 邮编: 518057 t (86-755)	26012053 f (86-755) 26710594 sgs.china@sgs.com