

Test Report

Report No.: MTi20052202-1Y1

Date of issue: May 26, 2020

Sample Description: Wireless earphones

Model(s): M31, M32, M9S, Y1, M27, M28, M29, M35, M36, M38

Applicant: Shenzhen Maikejie Technology Co., Ltd.

Address: 301A, 5# Building, Furong Road, Gushu Community, Xixiang Street,
Bao'an District, Shenzhen 518126, China

Date of Test: May 26, 2020

Shenzhen Microtest Co., Ltd.
<http://www.mtitest.com>



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<p align="center">TEST REPORT EN 50332-1 Sound system equipment: Headphones and earphones associated with personal music players. Maximum sound pressure level measurement methodology. General method for "one package equipment"</p>	
Report reference No.....:	MTi20052202-1Y1
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Reviewed by (printed name and signature)	Nick Cheng <i>Nick Cheng</i>
Approved by (printed name and signature)	Tom Xue <i>Tom Xue</i>
Date of issue :	May 26, 2020
Testing laboratory :	Shenzhen Microtest Co., Ltd.
Address	No.102A & 302A, East Block, Hengfang Industrial Park, Xingye Road, Xixiang, Bao'an District, Shenzhen, Guangdong, China
Testing location :	Same as above
Applicant's name	Shenzhen Maikejie Technology Co., Ltd.
Address	301A, 5# Building, Furong Road, Gushu Community, Xixiang Street, Bao'an District, Shenzhen 518126, China
Test specification:	
Standard	EN 50332-1: 2013
Test procedure.....	Type test
Non-standard test method.....	N/A
<p>General remarks: The test results presented in this report relate only to the object tested. This report shall not be reproduced except in full without the written approval of the testing laboratory. Throughout this report a comma or point is used as the decimal separator. Unless otherwise stated: (a) the results shown in this document refer only to the sample(s) tested and (b) such sample(s) are retained for 1 month. This document cannot be reproduced except in full, without prior approval of the company.</p>	

1. General Information

1.1 Description of DUT

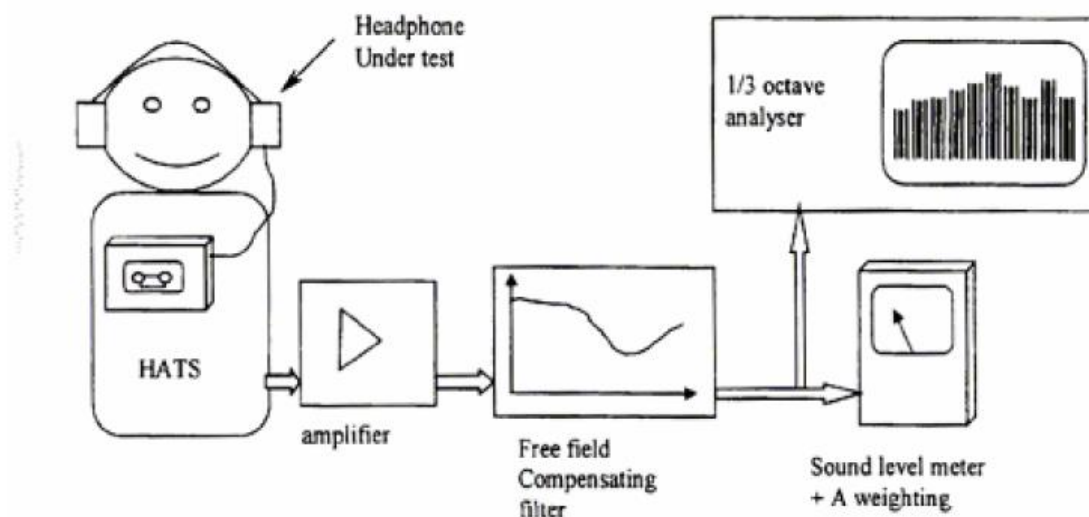
Test item description : Wireless earphones
Trade Mark : N/A
Manufacturer : Shenzhen Maikejie Technology Co., Ltd.
Address : 301A, 5# Building, Furong Road, Gushu Community, Xixiang Street, Bao'an District, Shenzhen 518126, China
Model/Type reference..... : M31, M32, M9S, Y1, M27, M28, M29, M35, M36, M38
Batch No. : : /
I/O Signal Ports : : One earphone port
Accessories : : One earphone

1.2 List of test equipment

No.	Equipment name	Manufacturer	Model No./type	Next Cal. date
1.	Test System	HEAD Acoustics	ACQUA 3.4	2021-04-22
2.	Audio Power Amplifier	HEAD Acoustics	MFE VI.1	2021-04-22
3.	Head and Torso Simulator	HEAD Acoustics	1230.1/HMS II.3-33	2021-04-22

2. Acoustic output level.

2.1 Testing principle diagram:



2.2 Testing conditions:

Device under test (DUT) shall be powered by a stabilized power supply at their nominal supply voltage with a tolerance of $\pm 3\%$.



When testing DUT, all measurements shall be taken at the following settings:

noise reduction system : OFF

volume control : Maximum

tone control : adjusted in order to maximize the sound pressure level Player output

2.3 Testing signal

Test signal used is a programme simulation noise, as defined in IEC 60268-1, recording level of test signal is -10dB (ref 0 dB full scale)

2.4 Testing method:

- (1) Use a suitable Bluetooth A2DP source , such as USB dongle , to establish a Bluetooth link with the listening device .
- (2) Input the test signal with -10 dBFS rms level to the Bluetooth A2DP source. For the Bluetooth listening device, use a Frontline FTS4BT protocol analyser or equivalent to "sniff" the radio signal from the Bluetooth source with A2DP profile to verify the output level of the source is at -10 dBFS rms.
- (3) Record the equivalent diffuse field, A-weighted acoustic output level in dB(A) for each trial.
- (4) The average of the acoustic output level from 5 trials shall be less than or equal to the required value.

2.6 Testing result(s):

Playing mode: the EQ mode is under "ON" condition.

NO.ofmeasurement	Measured LAeq (dB (A-weighted))		Limitation value (dB)
	Left channel	Right channel	
1	90.77	88.77	≤100
2	90.77	86.98	≤100
3	88.10	87.97	≤100
4	88.15	87.95	≤100
5	88.05	88.08	≤100
Average value	89.17	87.95	≤100

Ambient temperature: 22.9 °C, Ambient humidity:64.5 % R.H.

3. Document Requirement

According to Decision 2009/490/EC of European Union, personal music players shall provide adequate warnings on the risks involved in using the device and to the ways of avoiding them and information to users in cases where exposure poses a risk of hearing damage.



Photo documents:



----- End of Report -----