

TEST REPORT

| : | WTF23X01007220Y |
|-----------------------------|---|
| (E)*: | Mid Ocean Brands B.V |
| : `` نکہ | 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon Hong Kong |
| 'un. | 109979 |
| WELE. | Junite was men and the lit lit it |
| · . | TWS earbuds with charging box |
| · : · | MO9754 |
| ek vin vinit vinit | EN 50332-2:2013: Sound system equipment: Headphones and earphones associated with personal music players - Maximum sound pressure level measurement methodology Part 2: Matching of sets with headphones if either or both are offered separately, or are offered as one package equipment but with standardized connectors between the two allowing to combine components of different manufacturers or different design |
| | 2023-01-13 |
| set. | 2023-01-30 to 2023-01-31 |
| : 4 | 2023-02-01 |
| 7: | WTX_EN50332_2_2013A |
| 7 | Pass Intitle Life Committee with white |
| | TEL VI |

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

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| Tested by: | Approved by: |
|------------|--------------|
| kevin Ye | tentour |
| Kevin Ye | Harvid Wei |

Reference No. WTF22X09198460Y

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| Test item description | : TWS earbuds with charging box |
|-----------------------------|--|
| Trademark | |
| Model and/or type reference | : MO9754 |
| Rating(s) | HATTLE MALL MINE AND |
| Test Laboratory | Waltek Testing Group (Shenzhen) Co., Ltd. |
| Address | 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd |
| b. 24. 25. 2 | Road, Block 70 Bao'an District, Shenzhen, Guangdong, China |
| ± 2 | |

General product information:

The sample(s) tested complies with the requirements of EN 50332-2: 2013.

Model Differences

Main test models: MO9754

Summary of testing:

All tests had been assessed for safety with respect to the above test specifications and found to comply with the requirements of the standards.



| Test case verdicts | |
|---|---|
| Test case does not apply to the test object: | N(N/A) |
| Test item does meet the requirement: | P(Pass) |
| Test item does not meet the requirement: | F(Fail) |
| Degree of protection against moisture: | IPX0 |
| General remarks | THE ALL THE LITTER WITE WAY |
| The test result presented in this report relate | only to the object(s) tested. |
| This report shall not be reproduced, except in laboratory. | n full, without the written approval of the Issuing testing |
| The report would be invalid without specific sta The report would be invalid without the signature "(see Enclosure #)" refers to additional inform "(see appended table)" refers to a table appe | ures of reporter and reviewer. nation appended to the report. |
| Remark: | IN THE THE STILL NATE WHITE AN |
| Whether parts of tests for the product have b Yes | een subcontracted to other labs: No |
| If Yes, list the related test items and lab information | mation: |
| Test items: Lab information: | |
| Lab information. | |



| EN 50332-2: 2013 | | | |
|------------------|--------------------|-----------------|---------|
| Clause | Requirement – Test | Result - Remark | Verdict |

| 4 | Basic conditions for specifications and measurements | MULT AUT AUG B |
|--------|---|----------------------|
| 4.1 | General description | THE LIFE WITTE |
| ek mi | The sound pressure level produced by headphones or earphones can be measured by subjective methods or by objective methods. | et unifet un et Pitt |
| WALTE | The reference method for evaluating the sound pressured level emitted by earphones is a psycho acoustic method known as "equal loudness" (EN60268-7) | MILES WHITE WIDE |
| 4.2 | Measuring principle | n P |
| i in | The standard is based on the use of a Head and Torso Simulator (HATS) in accordance with IEC 60318-7 | P TE |
| MUTIER | The sound pressure level measured by the ear simulator microphone represents the pressure found at eardrum level and differs from that of the free field pressure by the HATS transfer function | white white we pet |

| 5 | Player characteristics and methods of measurement | P |
|-----------|--|------------------------|
| 5.1 | Maximum output voltage Vm | The Marin William No. |
| 5.2 | Method of measurement and conditions | y get get Niet |
| 5.2.1 | Input signal | N N |
| MILIE . | Actual musical signals are continuously fluctuating in both amplitude and spectral contents and thus cannot be used as test signals | White white white w |
| er onti | The test signal must therefore be a stationary wide-band signal, the spectral content of which is representative of the musical signals. | THE WILL SHOULD SHOULD |
| MITER | The test signal used to determine the maximum sound pressure level of headphones shall be programme simulation noise, as defined in HD 483.1 S2. | white white whi |
| 5.2.2 | Operating conditions | with me me N m |
| Clest .cl | - By a established power supply | THE THE THEN |
| 2, | - tolerance of nominal supply voltage | N |
| WALE | - All controls are adjusted to maximum sound pressure level | with and whi |
| CLIE | - load of player output | N |



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| EN 50332-2: 2013 | | | |
|------------------|--|------------------------|---------------|
| Clause | Requirement – Test | Result - Remark | Verdict |
| 5.2.3 | Method of measurement for analogue audio outputs | - Tex Stex Stex | nite ni N |
| LIES WA | The measuring equipment shall conform to: - EN 61672-1, class 1 for (sound level meters); - EN61260, class 1 for (1/3 octave analysers). | WILLER MATER MUTER M | STAN STAN |
| EK WALTE | The maximum output voltage Vm shall be defined as unweithted r.m.s. voltage at the load, using an averaging time of 30 s or more. | TEX WALTER WALTER WAL | N |
| 5.2.4 | Method of measurement for digital audio outputs | it outst andistraction | with win |
| UNITEK MI | The maximum output level Lm shall be defined as average of digital signal, using an averaging time of 30 s or more. | WALTER WALTER WALTER | united anit N |
| LIER WAL | The digital input test signal is defined in EN 50332-1 as -10 dBFS. | NITER WHITEK WHITEK WA | Z North |

| 6 | Headphone/Earphone characteristics and methods of measurement | |
|---------|--|------------------------|
| 6.1 | Measuring equipment | unti unti un P |
| NITEK W | The measuring equipment shall be in accordance with EN 61672-1when connected with a HATS microphone. | TEL WILTER WILE PA |
| 6.2 | Simulated programme signal characteristic voltage | white we a plan |
| 6.3 | Method of measurement arrangement and conditions | unite unit whi |
| 6.3.1 | Input signal | LIET INTE WILL P |
| LIEK W | - is program simulation noise as defined in HD 483.1 S2 | THE WILLIAM WILLIAM |
| et s | - according part 1, subclause 5.1 | P |
| 6.3.2 | Source impedance of analogue input devices | The The P |
| NITER. | - output impedance of the test signal source | III III N |
| 6.3.3 | Acoustical measurement method | Р |
| 6.3.4 | Headphones / earphones fit | Life white will P a |
| JEK WY | - Position correctly for measuring maximum sound pressure | et united and the Puri |
| ÷ ,6 | - the manufacturer's instruction for correct use | P |
| 6.3.5 | Measure of evaluation | The Albanda |
| TEX | - part 1, subclause 6.4 | ART SET SE |



| EN 50332-2: 2013 | | | |
|------------------|--|-----------------|---------|
| Clause | Requirement – Test | Result - Remark | Verdict |
| ,et | - sound pressure level reaches 94 dB SPL | and the same | N |

| Annex A | Example test procedure for acoustic safety of listening devices | |
|---------|---|-------|
| A.1 | Acoustic coupling between listening device's receiver and the ear simulator on HATS(head and torso simulator) | |
| A.1.1 | General | Р |
| A.1.2 | Circum-aural, Supra-aural and Supra-concha listening devices | JI P |
| A.1.3 | Intra-concha listening devices | MILLE |
| A.1.4 | Insert type listening devices | Р |
| A.2 | Measurement and Analysis(General) | |
| A.3 | Corded analogue listening device | |
| A.4 | Corded digital listening device | |
| A.5 | Cordless digital listening device | |
| A.6 | Listening device with multiple operating modes | |



Table 2 - Classification of the characteristics to be specified

| Subclause | Characteristics | Products |
|-----------|----------------------------------|------------|
| 5.1 | Maximum output voltage | Player |
| 6.1 | Wide band characteristic voltage | Headphones |

Measuring result:

| 5.1 | Measuring result | N N | |
|------------|---------------------------------------|-----------------------|-----------------------|
| | SPL (dB) | Vmax (mV) | Criterion request(mV) |
| Left side | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | TER MITER MATE MATE M | ir aur "aur |
| Right side | anti uni uni un | e state of | Et JEET STEET |

| 6.3.5 | Measuring result (SPL) (Part 1, 6.4) | | | | · P & |
|------------|--------------------------------------|---------------------|---------------------|---------------------|---------------------|
| mr. m | Measurement No.1 | Measurement No.2 | Measurement No.3 | Measurement No.4 | Measurement No.5 |
| Left side | 98.07 | 98.08 | 98.06 | 98.07 | 98.09 |
| Right side | 96.23 | 96.23 | 96.22 | 96.22 | 96.23 |
| Average | Left side: 98.07 | A 10 35 | Right side: 96.23 | y whi w | ir m n |

| 6.3.5 | Measuring result (WBCV | TITE MITE MITE PAR | |
|------------|------------------------|------------------------|-----------------------|
| | SPL (dB) | VwBcv (mV) | Criterion request(mV) |
| Left side | 94 | IE WHILE MY TE WHILE ! | ≥75 |
| Right side | 94 | at at | ≥75 |



Photo Documentation

Model: MO9754



Photo 1



Photo 2





Photo 3



Photo 4





Photo 5

===== End of Report =====