

FCC RF Exposure Exemption report

for

Wireless Microphone Transmitter

Model No.: UTX-16

FCC ID: 2AJMEUTX-16

of

Applicant: Fitness Audio Network P/L

**Address: Unit 17 The Bourke Centre, 110-116 Bourke Road,
ALEXANDRIA, NSW 2015 Australia**

Tested and Prepared

by

Worldwide Testing Services (Taiwan) Co., Ltd.

FCC Registration No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634



Report No.: W6M22510-24753-EE

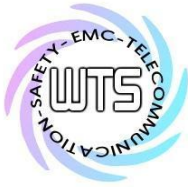
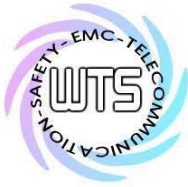


TABLE OF CONTENTS

1	GENERAL INFORMATION.....	2
1.1	NOTES.....	2
1.2	TESTING LABORATORY	3
1.3	APPLICATION DETAILS	3
1.4	GENERAL INFORMATION OF TEST ITEM.....	4
1.5	TEST STANDARDS.....	4
2	TEST CONFIGURATION	5
2.1	TEST ENVIRONMENT	5
2.2	MEASUREMENT UNCERTAINTY	5
2.3	TEST EQUIPMENT LIST.....	5
3	EQUIVALENT ISOTROPIC RADIATED POWER (EIRP).....	6
3.1	EXEMPTION LIMITS FOR ROUTINE EVALUATION ACCORDING TO FCC KDB PUBLICATION	6



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22510-24753-EE

FCC ID: 2AJMEUTX-16

1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

Laboratory disclaimer-

1. The test results of this test report relate exclusively to the item tested as specified in 1.5.
2. The test report may only be reproduced or published in full.
3. Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services(Taiwan) Co., Ltd.
4. Antenna gain is provided by applicant and laboratory issue relevant data and results.

Tester:

December 12, 2025

Sora Kuo

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

December 12, 2025

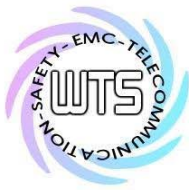
Kevin Wang

Date

WTS

Name

Signature



Worldwide Testing Services(Taiwan) Co., Ltd.

Registration number: W6M22510-24753-EE

FCC ID: 2AJMEUTX-16

1.2 Testing laboratory

1.2.1 Location

10m OATS

No.5-1, Lishui, Shuang Sing Village, Wanli Dist.,
New Taipei City 207, Taiwan (R.O.C.)

3 meter semi-anechoic chamber

No. 99, Sec. 1, Balian Rd., Xizhi Dist.,
New Taipei City 221032, Taiwan (R.O.C.)

Worldwide Testing Services (Taiwan) Co., Ltd.
6F., No. 58, Ln. 188, Ruiguang Rd., Neihu Dist.,
Taipei City 114, Taiwan (R.O.C.)
Tel: 886-2-6606-8877

1.2.2 Details of accreditation status

Accredited testing laboratory

FCC filed test laboratory Reg. No.: TW1072, TW1140, TW1146, TW1477, TW0037

Industry Canada filed test laboratory Reg. No.: 20037, 31634

Test location, where different from Worldwide Testing Services (Taiwan) Co., Ltd. :

Name: ./.
Accredited no.: ./.
Street: ./.
Town: ./.
Country: ./.

1.3 Application details

Approval holder

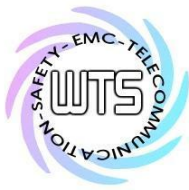
Name: Fitness Audio Network P/L
Street: Unit 17 The Bourke Centre, 110-116 Bourke Road,
Town: ALEXANDRIA, NSW 2015
Country: Australia

Manufacturer: (if applicable)

Name: CHIAYO ELECTRONICS CO., LTD.
Street: No.88, Chung Hsiao Street 2,
Town: Chiayi,
Country: Taiwan, R.O.C.

Date of receipt of test sample: November 21, 2025

Date of test: from November 24, 2025 to November 27, 2025



Registration number: W6M22510-24753-EE

FCC ID: 2AJMEUTX-16

1.4 General information of Test item

Type of test item: Wireless Microphone Transmitter

Model no.: UTX-16

Multi-listing model no.: ./.

Brand name: Fitness Audio

Power supply: Battery 3Vd.c.

Type of antenna: PCB Antenna

Antenna gain: 0dBi

Technical data

Mode	Frequency	Conducted Power (dBm)
470-608 MHz	471.1 MHz	-2.79
	539 MHz	5.15
	607.9 MHz	4.59

Operation modes: Simplex

Modulation type: FSK

Sample no.: #01

Classification:

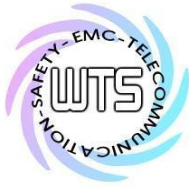
Fixed Device	☐
Mobile Device (Human Body distance > 20cm)	☐
Portable Device (Human Body distance < 20cm)	☒
Modular Radio Device	☐

1.5 Test standards

47 CFR FCC Part 2 Subpart J, section 2.1093

FCC KDB Publication

447498 D01 General RF Exposure Guidance v06



Registration number: W6M22510-24753-EE

FCC ID: 2AJMEUTX-16

2 Test configuration

2.1 Test environment

Relative humidity content: 20 ... 75 %

Air pressure: 86 ... 103 kPa

Extreme conditions parameters: ./.

2.2 Measurement uncertainty

Test item Name	Uncertainty
Estimation Result of Uncertainty of Conducted Output Power Measurement (Peak Output Power (transmitter))	Expanded Uncertainty : 1.63 dB

The decision rule is: Measurement uncertainty is not included in the calculation of test results.

2.3 Test Equipment List

RF POWER (966A)

Code No.	Test equipment	Mode No.	Serial No.	Brand	Cal. Date	Next Cal. Date
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2025/9/10	2026/9/9
ETSTW-RE 154	EMI Test Receiver	ESR3	102829	R&S	2025/4/9	2026/4/8
ETSTW-RE 160	Amplifier Module	CHC 3	None	WTS	2025/7/11	2026/7/10
ETSTW-RE 177	TRILOG Broadband Antenna	VULB 9168& EMCI-N-6-06	01380&AT-06007	SCHWARZBECK&EMC	2025/3/10	2026/3/9
ETSTW-RE 178	Double Ridged Guide Horn Antenna	DRH18-E	210505A18ES	RFSPIN	2025/3/7	2026/3/6
ETSTW-Cable 077	SMA type cable (10m)	EMC104-SM-SM-10000	230511	EMCI	2025/7/11	2026/7/10
ETSTW-Cable 084	SMA type cable (1m)	SF104-11SMA-1000	816477/4	HONOVA	2025/7/11	2026/7/10
ETSTW-Cable 089	SMA type cable (2m)	SF104-11SMA-2000	SN 811889/4	HUBER+SUHNER	2025/7/11	2026/7/10
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	



Registration number: W6M22510-24753-EE

FCC ID: 2AJMEUTX-16

3 Equivalent Isotropic Radiated Power (EIRP)

3.1 Exemption Limits for Routine Evaluation according to FCC KDB Publication

RESULT:

Test standard : FCC KDB Publication
447498 D01 General RF Exposure Guidance v06

3.3.1 Exemption Limits for Routine Evaluation – SAR Evaluation

SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table .

Table: SAR evaluation — Exemption limits for routine evaluation based on frequency and separation distance

MHz	5	10	15	20	25	mm
539	20.61	42.23	62.84	83.68	105.06	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
539	125.68	147.29	167.90	188.75	210.13	SAR Test Exclusion Threshold (mW)

Band (MHz)	Frequency (MHz)	Max output power (dBm)	Antenna Gain (dBi)	EIRP (mW)	Limit (mW)
471.1-607.9 MHz	539 MHz	5.15	0	3.2734	20.61

Output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power.

Established separation distance is 5 mm.