



Shenzhen CTA Testing Technology Co., Ltd.

Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

TEST REPORT

EN 50663:2017

EN62479:2010

Report Reference No......: **CTA24082301203**

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Date of issue.....: Aug. 30, 2024

Testing Laboratory Name: **Shenzhen CTA Testing Technology Co., Ltd.**

Address.....: Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name.....: **Η εταιρεία Κ. ΜΙΧΟΣ και ΣΙΑ Ο.Ε.**

Address.....: Chalandriou Str. 5, Ag. Paraskevi Athens 15343, Greece

Test specification :

Standard.....: **EN 50663:2017**
EN62479:2010

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Test item description: **UHF wireless microphone**

Trade Mark: GILBORD

Manufacturer: Η εταιρεία Κ. ΜΙΧΟΣ και ΣΙΑ Ο.Ε.

Model/Type reference.....: WRL718+BP30

List Model: WRL838+BP20, WRL838TDV+BP10, WRL858+BP15,
WRL868 INSTR+BP25, WRL738+BP30, WRL728+TR510,
REC650+TR650, WRL750+BP35, REC850+WRLM-5

Modulation: FM

Operation Frequency.....: 660.1-689.5MHz, 660.5-689.9MHz

Hardware version: V1.0

Software version.....: V1.0

Ratings.....: TX: DC 3.0V From battery

RX: DC 3.7V From battery and DC 5.0V From external circuit

Result.....: **PASS**

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TEST REPORT

Equipment under Test : UHF wireless microphone

Model /Type : WRL718+BP30

Listed Models : WRL838+BP20, WRL838TDV+BP10, WRL858+BP15,
WRL868 INSTR+BP25, WRL738+BP30, WRL728+TR510,
REC650+TR650, WRL750+BP35, REC850+WRLM-5

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Manufacturer : **Η εταιρεία Κ. ΜΙΧΟΣ και ΣΙΑ Ο.Ε.**

Address : Chalandriou Str. 5, Ag. Paraskevi Athens 15343, Greece

Test Result:**PASS**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. G E N E R A L I N F O R M A T I O N

1.1. General Remarks

Date of receipt of test sample	:	Aug. 24, 2024
Testing commenced on	:	Aug. 24, 2024
Testing concluded on	:	Aug. 30, 2024

1.2. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C -35°C
Relative Humidity:	35%-55 %
Air Pressure:	101 KPa

1.3. Product Description

Product Name:	UHF wireless microphone
Model/Type reference:	WRL718+BP30
Power supply:	TX: DC 3.0V From battery RX: DC 3.7V From battery and DC 5.0V From external circuit
Adapter information (Auxiliary test supplied by test Lab) :	Model: EP-TA20CBC Input: AC 100-240V 50/60HZ Output: DC 5V 2A
Wireless microphone	
Operation frequency:	660.1-689.5MHz, 660.5-689.9MHz
Modulation Type:	FM
Hardware Version:	V1.0
Software Version:	V1.0
Antenna	TX: Internal antenna, 1.3dBi (Max) RX: Internal antenna, 1.6dBi (Max)

2. METHOD OF MEASUREMENT

Applicable Standard

EN50663: Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields(10MHz-300GHz)

EN62479: Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure restrictions for to electromagnetic fields (10 MHz to 300 GHz)

Limit

20mW (According to the table A.1)

Table A.1 – Example values of SAR-based P_{max} for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005

Guideline / Standard	SAR limit, SAR_{max} W/kg	Averaging mass, m g	P_{max} mW	Exposure tier ^a	Region of body ^a
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs
IEEE Std C95.1-1999 [2]	1,6	1	1,6	Uncontrolled environment	Head, trunk, arms, legs
	4	10	40	Uncontrolled environment	Hands, wrists, feet and ankles
	8	1	8	Controlled environment	Head, trunk, arms, legs
	20	10	200	Controlled environment	Hands, wrists, feet and ankles
IEEE Std C95.1-2005 [3]	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae

^a Consult the appropriate standard for more information and definitions of terms.

Manufacturing Tolerance

Channel A	660.10MHz	674.50MHz	689.50MHz
Target (dBm)	9.0	9.0	9.0
Tolerance \pm (dB)	1.0	1.0	1.0

Channel B	660.50MHz	674.90MHz	689.90MHz
Target (dBm)	9.0	9.0	9.0
Tolerance \pm (dB)	1.0	1.0	1.0

Test result

Modulation Type	Maximum EIRP including tune up (dBm)	Output power (mW)	Limit (mW)	Results
DQPSK(660.1-689.5MHz)	10.0	10	20	Pass
DQPSK(660.5-689.9MHz)	10.0	10	20	Pass

3. External and Internal Photos of the EUT

Reference to the test report No. CTA24082301202

.....End of Report.....