FCC PART 74

USER MANUAL

FOR

Guangzhou Bai Yun New Century Electronics Factory

Yong Tai Industrial Area,
Bai Yun, Guangzhou, China

FCC ID: PDMWM-2000

October 26, 2000

This Report Concerns:	Equipment Type:
☒ Original Report	Wireless Microphone – Household Appliances

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Test Date: October 3, 2000

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1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

The *Guangzhou Bai Yun New Century Electronics Factory*, FCC ID *PDMWM-2000 or the* "EUT" as referred to in this report is a microphone which measures 9.25"L with diameter of 1.5".

1.2 Objective

This type approval report is prepared on behalf of *Guangzhou Bai Yun New Century Electronics Factory* in accordance with Part 74 Subpart H of the Federal Communication Commissions rules.

The objective of the manufacturer is to demonstrate compliance with FCC rules for peak output power, modulation characteristics, occupied bandwidth of emission, spurious emission, field strength of spurious radiation, frequency stability and line conduction.

1.3 Related Submittal(s)/Grant(s)

No Related Submittals

1.4 Test Methodology

All measurements contained in this report were conducted with ANSI C63.4 –1992, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz. All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratory, Corp. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

1.5 Test Facility

The Open Area Test site used by Bay Area Compliance Laboratory Corporation to collect radiated and conducted emission measurement data is located in the back parking lot of the building at 230 Commercial Street, Suite 2, Sunnyvale, California, USA.

Test sites at Bay Area Compliance Laboratory Corporation has been fully described in reports submitted to the Federal Communication Commission (FCC) and Voluntary Control Council for Interference (VCCI). The details of these reports has been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 11 and December 10, 1997 and Article 8 of the VCCI regulations on December 25, 1997. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-1992.

The Federal Communications Commission and Voluntary Control Council for Interference has the reports on file and is listed under FCC file 31040/SIT 1300F2 and VCCI Registration No.: C-674 and R-657. The test sites has been approved by the FCC and VCCI for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Laboratory Corporation is a National Institute of Standards and Technology (NIST) accredited laboratory, under the National Voluntary Laboratory Accredited Program (NVLAP). The scope of the accreditation covers the FCC Method - 47 CFR Part 15 - Digital Devices, IEC/CISPR 22: 1993, and AS/NZS 3548: Electromagnetic Interference - Limits and Methods of Measurement of Information Technology Equipment test methods under NVLAP Lab Code 200167-0.

1.6 Test Equipment List

Manufacturer	Description	Model	Serial Number	Cal. Due Data
HP	Spectrum Analyzer	8566B	2610A02165	12/6/00
HP	Spectrum Analyzer	8593B	2919A00242	12/20/00
HP	Amplifier	8349B	2644A02662	12/20/00
HP	Quasi-Peak Adapter	85650A	917059	12/6/00
HP	Amplifier	8447E	1937A01046	12/6/00
A.H. System	Horn Antenna	SAS0200/571	261	12/27/00
Com-Power	Log Periodic Antenna	AL-100	16005	11/2/01
Com-Power	Biconical Antenna	AB-100	14012	11/2/01
Solar Electronics	LISN	8012-50-R-24-BNC	968447	12/28/00
Com-Power	LISN	LI-200	12208	12/20/00
Com-Power	LISN	LI-200	12005	12/20/00
BACL	Data Entry Software	DES1	0001	12/20/00
Rohde & Schwarz	Signal Generator	SMIQ03B	1125.5555.03	7/10/2002
Rohde & Schwarz	I/Q Modulation Generator	AMIQ	1110.2003.02	8/10/2002

1.7 Equipment Under Test (EUT)

Manufacturer	Description	Model	Serial Number	FCC ID
Guangzhou Bai Yun New Century Electronics Factory	Microphone	WM-2000	None	PDMWM-2000

3.2.2 Test Equipment

Appendix A – AUTHORIZATION LETTER

NEW CENTURY ELECTRONICS FTY.

July 22, 2000

FEDERAL COMMUNICATIONS COMMISSIONS
Authorization and Evaluation Division
7435 Oakland Mills Road0
Columbia, MD 21046

Subject: Agent Authorization

To whom it may concern:

NEW CENTURY ELECTRONICS FTY , hereby authorizes Bay Area Compliance Laboratory Corporation to act on its behalf in all maters relating to application for equipment authorization, including the signing of all documents relating to these matters. All acts carried out by Bay Area Compliance Laboratory Corporation on our behalf shall have the same effect as our own action.

Sincerely yours,

Xiaohua Chen(签名)

Appendix B – User Manual

OPERATING INSTRUCTIONS

We greatly appreciated your purchase of our professional wireless microphone of good quality. To be sure you take maximum advantage of the features, read these instructions carefully and use the set properly.

Specifications

System

Range of frequency 188.991MHz
Frequency response 40-15000Hz(±3dB)
Signal to noise radio 80dB
Operating temperature 0ºC-45ºC
Distortion factor <=0.5%
Effective field 30M

Microphone
Modulation FM
Emission power 8mW(maximum 50mW)
Frequency deviation 2kHz
Antenna built in
Power supply DC 9V
Battery life 10-30hours

Receiver
Demodulation FM
Reception mode superhet
Audio output level 25mV
Output impedance 600Ohms
Reception sensitivity 15dB/mV
Antenna telescopic antenna
Power supply AC 220V/50Hz

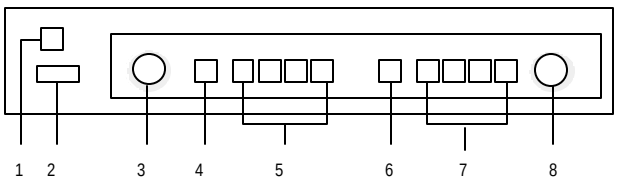
Accessories

1. Two-end socket signal cable 2pcs
2. Operating instructions 1pc
3. 9V battery 2pcs
4. Certificate of Warranty 1pc
5. Certificate of Qualification 1pc

How do you operate it?

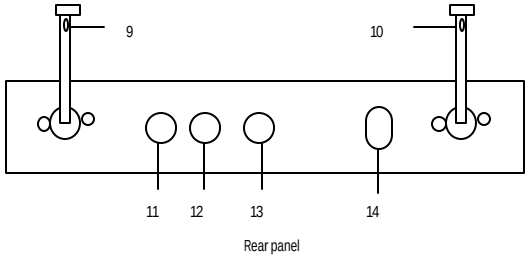
1. Adjust the amplifier and Karaoke system, set the volume control to the minimum position. Connect the signal cable of receiver. Plug the power cord into AC outlet. Turn the power on. The corresponding indicator lights up that indicates the system is ready for operation.

(1) Power indicator
(2) Power switch
(3) A channel volume
(4) A channel indicator
(5) A channel level
(6) B channel indicator
(7) B channel level
(8) B channel volume

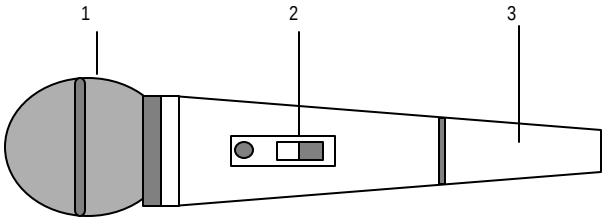


Front panel

(9) B antenna
(10) A antenna
(11) B output
(12) A+B output
(13) A output
(14) power cable



2. Open the housing (3) of microphone, insert a battery (9V) with the correct polarity and replace the housing. Set the power switch (2) to the on position. The indicator brights 2 seconds and then goes out. (when battery voltage is not enough to work, the indicator is for long bright.) the indicator of receiver lights up that indicates the system is ready for operation. Speak to the microphone, according your liking, adjust the volume of receiver and amplifier. To avoid shrill sound occur and that may damage the speaker and amplifier, please do not put the microphone point to the speaker.



ATTENTIONS

1. If your microphone isn't used for long period, the battery should be taken out and the power cord should be unplugged. If acoustic quality and volume are abnormal or receiving distance is shortened, the batteries in microphone should be replaced or the antennas should be pulled up.
2. In order to avoid interference, as far as possible do not put the receiver together with CD player and LD player.
3. To get the best transmitting effect, don't touch the top(1) of microphone when singing.
4. Use the microphone in the range of 1m to 30m can get the satisfying effect.