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TRC Training Research Co., Ltd.

**Address: 5F., NO. 571, CHUNG HSIAO E. RD., SEC. 7,
TAIPEI, TAIWAN.**

TEL: 886-2-27881332

FAX: 886-2-27857408

TO: FCC

FROM: Mr. Jack Tsai

ATTN: Mr. Jos Dichoso

DATE: DEC. 01, 1998

Total Page: 6 (Included this page)

Subject: Reply FCC message for c Reference Number: 4874.

Reference FCC ID: JEBBP-03T

Applicant: Wa-Go Industrial Co Ltd.

Dear Mr. Jos,

Firstly, thank your instruction.

**We correct page 9, 21, 23 of report and FCC form 731 according to your
messaged.**

**So we change rated RF power output of FCC Form 731 for 0.0576 mW
(According to page 9 of report.)**

**The following page for your required information.
Please check it.**

If any question regarding this application, please tell me.

Best regards,

Jack Tsai

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FEDERAL COMMUNICATIONS COMMISSION
Equipment Authorization Division, Applications Processing Branch
7435 Oakland Mills Road, Columbia, MD 21046
Telephone: (301) 362-3000, Facsimile: (301) 344-2050

Date: November 30, 1998 03:29 PM

From: Joe DiChico

Telephone: (301)-362-3024

To: Jack Tini

Organization: Training Research Co., Ltd

Telephone: 886227881332

Facsimile: 886227857408

This cover sheet is page 1 of _____. Please direct inquiries to the sender at the above extension.

Reference FCC ID: JEBBP-03T

Applicant: Wa Gol Industrial Co Ltd

The items indicated below must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days may result in application dismissal pursuant to Section 2.917(c) and forfeiture of the filing fee pursuant to Section 1.1108.

1) The output power limit is 50 mW ERP. When using field strength measurements and the device has an integral antenna, the correct formula for solving for ERP is $ERP = (E \cdot d)^2 / 49.2$. Therefore, the correct power for the device is .0586 mW and will be placed on the grant. Please confirm.

Replies to this letter MUST contain the Reference Number: 4874

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SECTION IV - Enter FCC ID from Page 1, Section I ▶ JEBBP-031

(a) Instead of Applicant, FCC is authorized to mail original Grant to: (See instructions)

Firm name, number, street, City, State/Country, ZIP/Postal Code
 Training Research Co., Ltd.
 P.O. BOX 4-18, Nankang, Taipei, Taiwan.

(b) Name, Title and Mail Stop, if any, of person at above address to receive Grant: (If 1.(a) is completed, this item must be completed)
 Frank Tsai

(a) Technical contact Firm name, contact person, number, street, City, State/Country, ZIP/Postal Code	Jack Tsai	(b) Telephone No. (Area/Country/City code, No. and Ext.) 886227881332
		(c) FAX No. (Area/Country/City code and No.) 886227857408

(d) Internet e-mail address:

(a) Non-Technical contact Firm name, contact person, number, street, City, State/Country, ZIP/Postal Code	Grace Tsai	(f) Telephone No. (Area/Country/City code, No. and Ext.) 886227881332
		(g) FAX No. (Area/Country/City code and No.) 886227857408

(h) Internet e-mail address:

3. Does this application include a request for confidentiality for any portion(s) of the data contained in this application pursuant to 47 CFR §0.458 of the Commission's Rules? If "Yes" see instructions. Yes No

4. Does the applicant request that the Commission order grant of this application pursuant to 47 CFR §0.457(d)(1)(B)? (See instructions) Yes No

5. Type of equipment authorization requested: (check one box only) Certification Type Acceptance Notification

5.(a) Equipment Code and description: (See instructions, page 4) Wireless Microphone (b) Equipment will be operated under FCC Rule Part(s): 74

7. Application is for: (Check one box only)

<input checked="" type="checkbox"/> 1. Original equipment (See instructions)	<input type="checkbox"/> 2. Change in identification of presently authorized equipment	<input type="checkbox"/> 3. Class II permissive change or modification of presently authorized equipment (See instructions)
ORIGINAL FCC ID	Grant date	

EQUIPMENT SPECIFICATIONS: (See instructions)

(a) Frequency range in MHz	(b) Rated RF power output in watts	(c) Frequency tolerance % Hz ppm	(d) Emission designator See 47 CFR §2.201 and §2.202	(e) Microprocessor md number
174-216MHz	0.0576mW	+/-0.005%	27K14F3E	N/A

9. Is the equipment in this application:
 (a) a composite device subject to more than one type of equipment authorization? Yes

(b) part of a system that operates with, or is marketed with, another device that requires an equipment authorization? Yes

If either of the above questions is answered "Yes" complete items 10.(a) and (b). (See instructions)

Test Report

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2.5 Measurement Result

$$\begin{aligned}\text{Corrected (dB)} &= \text{AF(dB)} + \text{CL(dB)} \\ &= -22.02 \text{ dB/m}\end{aligned}$$

$$\begin{aligned}\text{FI}_a(\text{dBuV/m}) &= \text{FI}_r(\text{dBuV}) + \text{Corrected (dB)} \\ &= 107.00 - 22.02 = 84.98 \text{ dBuV/m}\end{aligned}$$

The maximum field measured is 84.98 dBuV/m .

$$\text{FI (Volt)} = 10^{84.98/20} \times 10^{-6} = 0.01774\text{V}$$

$$\text{FI (mW)} = (0.01774 \times 3)^2 / 49.2 = 0.0576 \text{ mW}$$

Test Report 21/28**5.5 Measurement Result : (Horizontal for 30 MHz ~ 1 GHz)** 5/6

Test Conditions:

Testing room : Temperature : 23 °C

Humidity : 73 % RH

Testing site : Temperature : 33 °C

Humidity : 85 % RH

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB

130.950	39.14	1.00	22	-24.58	14.56	84.38	-69.82
160.050	55.42	1.00	150	-22.80	32.62	84.38	-51.76
163.720	42.69	1.00	140	-22.57	20.12	84.38	-64.26
216.930	33.31	1.00	318	-20.35	12.96	84.38	-71.42
276.450	36.82	1.00	164	-17.54	19.28	84.38	-65.10
349.200	37.11	1.00	169	-14.46	22.65	84.38	-61.73
363.750	38.46	1.00	295	-13.72	24.74	84.38	-59.64
378.300	45.37	1.00	305	-13.48	31.89	84.38	-52.49
523.800	35.88	1.00	123	-10.99	24.89	84.38	-59.49

Note:

1. Margin = Amplitude - limit, *if margin is minus means under limit.*
2. Corrected Amplitude = Reading Amplitude - Correction Factors
3. Correction factor = Antenna factor + (Cable Loss - Amplitude gain)
(For example : 30MHz correction factor = 15.5 + (-15.26) = 0.24 dB/m)
4. Attenuation required = 43 + 10 log (0.0576 mW) = 0.60
Limit = 84.98 - 0.60 = 84.38

Report No.: M1274849, Wireless microphone transmitter, FCC Part 74 - Certification

Test date : 10/06/98, Training Research Co., Ltd, TEL:886-2-27881332, Fax:886-2-27857408

Test Report

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Radiated Emission Test Result : (Vertical for 30 MHz ~ 1 GHz)

Frequency	Reading Amplitude	Ant. Height	Table	Correction Factors	Corrected Amplitude	limit	Margin
MHz	dBuV	m	degree	dB/m	dBuV/m	dBuV/m	dB

130.950	49.00	1.00	313	-24.58	24.42	84.38	-59.96
160.050	52.15	1.00	79	-22.80	29.35	84.38	-55.03
163.720	52.08	1.00	102	-22.57	29.51	84.38	-54.87
216.930	32.86	1.00	90	-20.35	12.51	84.38	-71.87
276.450	39.51	1.00	143	-17.54	21.97	84.38	-62.41
349.200	50.02	1.00	270	-14.46	35.56	84.38	-48.82
363.750	53.34	1.00	79	-13.72	39.62	84.38	-44.76
378.300	55.87	1.00	228	-13.48	42.39	84.38	-41.99
523.800	40.84	1.00	120	-10.99	29.85	84.38	-54.53
