Jennifer Sanchez

From: Generic Office of Engineering Technology [oetech@fccsun27w.fcc.gov]
Sent: Thursday, July 19, 2007 9:30 AM
To: Jennifer Sanchez
Subject: Response to Inquiry to FCC (Tracking Number 227260)

Inquiry:

To Whom It May Concern,

MET Laboratories, would like to request permission to Grant the following device:

Category 1: FM band modulators / transmitters operating under 15.239 of the FCC rules.

Description: The Equipment Under Test (EUT) is a MGA Entertainment (HK) Ltd., FM Wireless Microphone. The transmitter is a one button transmitter. The EUT continues to transmit while button is being pressed. Modulation by Microphone; and type is frequency modulation.

1 Describe the operation of the device. This Lil Bratz Wireless FC Microphone is operating at 100Hz and will transmit your voice and the built in sound effect through any FM radio. 1. Turn on the Bratz wireless FM mic. The red LED at the antenna will be lit up. 2. Get your radio and select FM band. 3. Tune your radio to 100MHz. If you find a commerical station, tune a little to either sides of 100MHz. 4. Place this FM microphone close to the radio while tuning! your radio around 100MHz. The frequencies are matched if you hear the feedback sound. 5. Now you can sing to the MIC and hear your voice through the radio. 6. You can add special effect to your singing when pressing the sound buttons.

2 Provide information on the device and its antenna. The antenna consists of a 6.5cm long metal antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3 Volt (?AAA? size battery x 2) primary battery.

3 How is it installed? No installation required.

4 Describe the test procedure used. ANSI C63.4 test method is adopted.

5 If tested in a car, describe how was it configured and tested. We just test on test table according to ANSI C63.4 and product not mentions use on the car.

6 At the present time, FM transmitters (subject to 15.239) tested in vehicles must also be tested on a test table. Provide both sets of data. All data must be compliant. Please see test report.

7 Was the tuning range properly verified? The test lab should indicate in the report that the tuning controls were manually adjusted to verify maximum tuning range. The EUT just only operation on 100MHz and it can?t changed.

8 Was the bandwidth properly tested with maximum audio input? During the test, we would use MP3 or CD player input audio signal to EUT and turn max. volume with different sound (e.g.: very loud song) in order to get worst result.

9 Use a typical audio file from a typical device. e.g. do not use a 1 kHz signal from a signal generator. During the test, we would use MP3 or CD player input audio signal to EUT and turn max. volume with different sound (e.g.: very loud song) in order to get worst result.

10 Provide the test report showing compliance with the rules. HKSTC provided test report.

If you need more information please contact me.

Thank you
Jennifer Sanchez
TCB Administrator
MET Laboratories, Inc.
408-213-2359
jsanchez@metlabs.com

Response:
The information provided was reviewed and was found to be in line with the requirement for approval.
The following info will also help you to "fine-tune" your application for approval:
The assembly of Form 731 should be concurrent during the final certification testing of the radio. Exhibits to be electronically attached to Form 731 include:

- Form 731 Payment Schedule as specified by Form 159
- Letter of Confidentiality (if applicable)
- Users Manual with appropriate FCC Compliance Statements consisting of Part 15 Compliance Statement, Change Warning Statement and RF Exposure Statement
- Product Label File detailing FCC ID Number assignment
- Theory of Operation
- Operational Block Diagram
- Detailed Schematics
- RF Safety Calculations (if applicable)
- External photos of marketed product featuring FCC ID Numbering
- Internal photos of PCBs with detailed RF Section photos
- Radiated Emissions Test Report
- Conducted Emissions Test Report (if applicable)

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