

## **TRP Inc**

February 13, 2006

Federal Communications Commission  
Authorization and Evaluation Division  
7435 Oakland Mills Road  
Columbia, MD 21046

Re: Request for certification by Philips Innovative Applications of a limited modular approval for a low power transmitter, IC:135W-HTS9800W, to be installed in high fidelity digital audio application for systems that have similar characteristics.

Gentlemen:

On behalf of Philips Innovative Applications, Philips Sound Solutions, Hoogveld 50 B-9200 Dendermonde, Belgium, submitted herewith is an application for a modular Low Power Communications Transmitter operating on a frequency of 2412 to 2462 MHz. The low power modular transceiver is installed as a digital link within an audio system to transmit the audio signals to remote speaker assemblies that provide power amplification of the signal.

1. The modular transmitter has its own RF shielding to the extent needed. As can be seen from the test site photos, the device was tested outside the host equipment that normally provides audio and power to the unit. RF transceiver system is used across many systems comprising a family of products having the same basic mechanical and electrical specifications.
2. This modular transmitter signal inputs from the basic audio system that are converted to digital signals ensuring that the module will comply with Part 15 requirements and no conditions of excessive audio levels or over-modulation can occur.
3. This modular transmitter receives its 5 VDC power from a regulated supply providing power to the main PC board. The design of the transceiver module incorporates an additional voltage regulator feeding 3.3 VDC to the transceiver board.
4. The modular transmitter complies with the antenna requirements of Section 15.203 and 15.204(c) and is an vertical whip design.
5. This modular transmitter was tested in a stand-alone configuration outside the host device during testing. The host device is an ac-powered unit. No modifications were made to the host device.
6. This modular transmitter is labeled with its own FCC and IC number, and, if the FCC or IC number, as applicable, is not visible when the module is installed inside another device, then the outside of the device into which the module is installed will also display a label referring to the enclosed module. For Canada, this exterior label will use this wording: "Contains IC:135W-

HTS9800W" and for the US the exterior label will use this wording: "Contains FCC ID: TZGHTS9800W.

7. This modular transmitter complies with all operating requirements applicable to a transmitter.
8. This modular transmitter complies with applicable RF exposure requirements. Its measured maximum conducted power level is 13 milliwatts. The module is intended to be installed inside a host device which provides additional isolation from the user and user will be more than 20 cm for the unit in actual usage conditions.

If there are any additional questions, please contact me at 410-531-3439.

Sincerely,

**(signed)**

Phillip Inglis  
Consultant

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