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COMPAQ

25 April, 2001

Federal Communications Commission
Equipment Authorization Division
Applications Processing Branch
7435 Oakland Mills Road
Columbia, MD. 21046

Dear Sir or Madam,

In accordance with FCC Public Notice DA 00-1407, **PART 15 UNLICENSED MODULAR TRANSMITTER APPROVAL** Released: June 26, 2000, Compaq is requesting approval of the Compaq PE3012 Multiport Wireless LAN Module (proposed FCC ID: CNTWPE3012) as an unlicensed modular transmitter.

The PE3012 Multiport Module by Compaq is a **Bluetooth™** radio which mounts on the Multiport of an appropriately equipped computer. Multiport is a Compaq proprietory interface currently incorporated in Notebook computers. The proprietary interface uses a USB bus for data communications. The PE3012 module consists of a PCB, a plastic cover, and screws to secure the board to the interface port Mounting surface. The PE3012 PCB contains a **Bluetooth** module, an antenna, and signal conditioning components.

The **Bluetooth** module is a self contained, surface mount transceiver which is covered with its own RF shield. The antenna on the PCB is not shielded. The USB D+ and D- data lines into the **Bluetooth** module are protected by a PI5C3305 bus switch which defaults to a high impedance state when disconnected. The **Bluetooth** module uses Cambridge Silicon Radio's BC01B-USB chip. When the chip can no longer receive data, it drives the input data lines to 0V. All of the data received over the USB interface is controlled inside the BC01B-USB by the memory management unit block.

The power supply input to the PE3012 Multiport Module by Compaq is regulated by two MAXIM 8887 voltage regulators (one for the PA circuitry and one for the baseband and other RF circuitry).

The antenna for the PE3012 Multiport Module by Compaq is permanently attached to the module PCB which also carries the **Bluetooth** transceiver. There are no cables associated with the RF transmission.

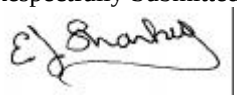
The PE3012 Multiport Module by Compaq is mounted on the outside of the Multiport equipped computer, hence it is never tested "inside" a device. The device was tested on a typical platform, the length of power supply and data lines during testing are representative of Multiport applications. No ferrites were used on the data or power supply lines when testing the PE3012 Multiport Module by Compaq.

The label for the PE3012 Multiport Module by Compaq is attached to the bottom of the module. A copy of the label artwork is provided with the submission material.

There are no specific operational requirements for the PE3012 Multiport Module by Compaq with the exception that it is not allowed to be operated on an airplane. This constraint is detailed in the User's Guide.

Calculations are attached which demonstrate that the PE3012 Multiport Module by Compaq meets the RF Exposure requirements of Section 15.247(b)(4). A copy of instructions regarding RF exposure which are in the User's Guide is provided with the submission material.

Respectfully Submitted,



E. Joseph Sharkey
Compaq Computer Corporation

TM - **Bluetooth** is a trademark owned by the **Bluetooth** SIG, Inc