



April 30, 2012

RE: Philips Medical Systems MX40 Patient Worn Monitor

FCC ID: PQC-MX40SH2B4
IC: 3549B-MX40SH2B4

To whom it may concern:

Please find enclosed an original application for Philips Medical Systems, Philips Telemetry System MX40 Patient Worn Monitor. This device was previously approved under FCC ID: PQC-MX40SH24 and IC: 3549B-MX40SH24 by TIMCO Engineering in August 2011. These approval IDs consisted of a review of a 2.4 GHz WLAN 802.11 radio in CW Test Report #304-11R2, a 2.4 GHz Short Range Radio (SRR) under CW Test Report #264-11R1 and a 2.4 GHz Smart Hopping Radio (2.4SH) under CW Test Report #278-11R1.

This application includes data and information for the enabling of a 5 GHz WiFi WLAN Radio within the device along with an updated set of data for the 2.4 GHz 802.11 WiFi WLAN Radio. The original 2.4 GHz SH Radio and 2.4 GHz SRR Radio test reports have also been provided with updated certification identifiers. The implementation of the 5 GHz WiFi WLAN Radio was achieved via a software change, and none of the hardware has changed since the original application.

Since the power of the radio has increased in the 5 GHz band versus what was originally reported in the 2.4 GHz band, a class II permissive change could not be performed.

Although the reported power of the device in the 2.4 GHz and 5.8 GHz ranges exceeds the public exposure limits for a portable device, the source-based time averaged power is significantly below the limits. The only purpose of any of the radios within the device is to transmit telemetry data collected by the device and provide that information either to a central station or a bedside monitor. As shown in the timing plots of either the 2.4 or 5 GHz WLAN radios a very short transmission burst (less than 400 microseconds) is sent only once in a 100 mS period.

An updated MPE Calculation for the radios has been provided as part of this application.

If you have any further questions, please don't hesitate to contact me at (603) 887 3903 or via email at Larry@ComplianceWorldwide.com

Sincerely,

Larry Stillings
President