Date: 7/24/2013

Re: **Model 6280 Latitude™ Communicator: FCC Cover Letter**

The Guidant Corporation (a wholly owned subsidiary of Boston Scientific Corporation doing business as Boston Scientific Cardiac Rhythm Management) Model 6280 LATITUDE™ Communicator is an in-home patient monitor. The Model 6280 Communicator provides radio frequency (RF) telemetry in the 902 – 928 MHz ISM band for use with radio frequency (RF) enabled BSC implantable pulse generators.

Introduction

The Model 6280 LATITUDE™ Communicator is a new product for the Guidant Corporation. This is a new device in a family of Boston Scientific patient home monitoring products. The Model 6280 Communicator provides radio frequency (RF) telemetry at 916.5 MHz for communication with RF enabled BSC implantable cardiac rhythm management devices. Since this is a new product, this will be an original certification.

BSC is seeking a system approval of the Model 6280 LATITUDE™ Communicator which includes a transceiver subsystem operating at 916.5 MHz for communication with BSC implantable devices. The FCC ID chosen for this product is based on previously approved similar products and is ESCCRM628013. The FCC rules applicable to this product per this submission include CFR FCC Part 15.249, Part 15.207, Part 15.209, Part 15.205, 15.109, 15.107, and Part 2.1091. Since the product also includes an analog modem connection, FCC Part 68 also applies.

Device Description

The Model 6280 LATITUDE™ Communicator is an externally powered medical device that communicates with BSC radio frequency (RF) enabled implantable devices via a 916.5 MHz RF telemetry link. The retrieved implantable device data along with Communicator status information is transmitted back to a central database. The data can then be accessed by a health care professional from a Boston Scientific secure website.

A custom BSC communicator software application is run on the device embedded microprocessor that controls all of the communicator's features/functions. The 916.5 MHz RF transceiver configuration and mode of operation is controlled via this processor.

Figure 1 shows the Model 6280 LATITUDE™ Communicator. The high level assembly includes one printed circuit assembly which contains all of the device circuitry and an embedded antenna. The software application enables the transceiver and switches the antenna to the RF circuitry when required for telemetry. The communicator also includes a user interface, comprised of a combination of LED indicators and switches/buttons that provide device setup, feedback of the communicator's status, and the ability to perform unscheduled implanted device interrogation. Two (2) USB ports are provided for extensibility (Bluetooth/Ethernet dongles, external memory, etc.) of the communicator. The device is wall-powered using an AC/DC power brick and is approximately the size of an alarm clock.

Figure 1 BSC Model 6280 LATITUDE™ Communicator