3 March 2014

Dear Sir or Madam:

We, QiG Group (a wholly owned subsidiary of Greatbatch, Inc.), located at 1771 East 30th Street, Cleveland, Ohio 44114, are providing the following Antenna Information for the Algovita Spinal Cord Stimulation (SCS) Pocket Programmer (POP), Model 4100, RF telemetry communications feature in accordance with the TCB technical requirements:

The Algovita Spinal Cord Stimulation (SCS) Pocket Programmer (POP), Model 4100, uses a copper wire loop antenna (magnetic dipole) for the 402-405 MHz Medradio RF link and a copper wire loop antenna for 2450 MHz Wake-up RF link. Both of the copper wire loop antennas are an integral part of the PCB assembly (PCBA) and connected directly to the intentional radiators.

The approximate gain of the 402-405 MHz loop antenna and the 2450 MHz loop antenna are – 10 dBi, and -2 dBi, respectively.

Access to the antenna connections of the intentional radiators are prohibited by the enclosure. Section 47 CFR 15.203 of the FCC rules state the use of permanently attached antennas is considered sufficient to comply with the requirements of this section.

Pocket Programmer (POP) Unit showing rough locations of the Medradio (402-405 MHz) and Wake-up (2450 MHz) Loop Antenna's.

Back Side

Front Side