

29 May 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) External Pulse Generator (EPG), Model 4300, RF telemetry communications feature in accordance with the TCB technical requirements:

The Algovita Spinal Cord Stimulation (SCS) External Pulse Generator (EPG), Model 4300, utilizes a single PCB Copper Trace Antenna (loop magnetic dipole) for both the 402-405 MHz Medradio RF link and the 2450 MHz wake-up RF link. The etched PCB copper trace antenna is an integral part of the PCB and connected directly to the intentional radiator.

The approximate gain of the etched PCB copper trace antenna at 402-405 MHz and 2450 MHz are – 18 dBi, and -5 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.

PCB within EPG enclosure showing Integral Copper Trace Antenna (Top Side)

