

**Date:** 7/14/2014

**Re: Model 3200 Emblem S-ICD Programmer: Antenna Description**

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The Guidant Corporation (a wholly owned subsidiary of Boston Scientific Corporation doing business as Boston Scientific Cardiac Rhythm Management) Model 3200 Emblem S-ICD Programmer is a component of the Cameron Health/Boston Scientific S-ICD System, which is prescribed for patients when cardiac arrhythmia management is warranted. The programmer communicates wirelessly in the MICS (402-405 MHz) frequency band with the implanted S-ICD device to enable adjustment of programmable settings and data collection during implantation procedures and device/patient follow-up exams.

The Model 3200 Programmer consists of a commercial tablet computer connected to a proprietary RF printed circuit assembly known as the Programmer Radio Board (PRB). The tablet computer and PRB are placed in a common mechanical housing. The Model 3200 Programmer antenna, “Telemetry Wand”, is attached to the PRB through an RF connector that is accessible from outside of the programmer housing. The Telemetry Wand (Model 3203) includes an integrated 3 meter cable to allow the user to place the antenna for optimal performance.

- The Model 3200 Programmer antenna connector is a DIN 1.0/2.3. The Model 3200 will only be operated by trained professionals in conjunction with the Model 3203 Telemetry Wand.
- The antenna is a proprietary monopole design that is implemented on the PCB of the Model 3203 Telemetry Wand. The measured gain of the antenna at the device intended frequency in free space is:

Frequency (MHz)	Gain (dBi)
402 - 405	-5.0

- A photograph of the antenna is included in the Model 3200 Programmer External and Internal photos exhibits.