

Date: December 1, 2011

Subject: Antenna Description

Per TCB413 this file must contain the following information:

- a) Describe compliance of the device with the antenna requirements of paragraph 15.203 of the FCC rules.

Access to the Guidant Corporation (a wholly owned subsidiary of Boston Scientific Corporation doing business as Boston Scientific Cardiac Rhythm Management, hereinafter referred to as BSC) Model 6498 antenna connector and intentional radiator circuitry is prohibited by the Model 6498 enclosure.

- b) If the device is a Part 15.247 transmitter, for each antenna, provide a description of how the device complies with the de facto EIRP limit.

Not applicable, this is a Part 15.249 transmitter.

- c) A list of antennas to be used with the transmitter. Include manufacturer, model number, gain (dBi), and description (e.g. dipole, yagi, patch, etc.).

The antenna is a proprietary loaded inverted-L antenna that is implemented in the PCB design of the device. The antenna will be shared by an RF transceiver used for communication with an implanted devices at 916.5 MHz, and a dual-band certified cellular module (Sierra Wireless SL6087 – FCC ID: N7NSL6087; IC ID: 2417C-SL6087). The measured gain of the antenna in free space is:

Frequency (MHz)	Gain (dBi)
824	-0.2
849	0.4
869	0.6
894	0.7
916.5	0.4
1850	1.8
1910	1.8
1930	1.6
1990	1.6

- d) Drawing or photograph unless clear photos appear in the external photos exhibit

A photograph of the antenna is included in the internal photos exhibit.