

February, 2 2012

Federal Communications Commission  
Office of Engineering and Technology  
7435 Oakland Mills Road  
Columbia, Maryland 21046

Dear Sir or Madam:

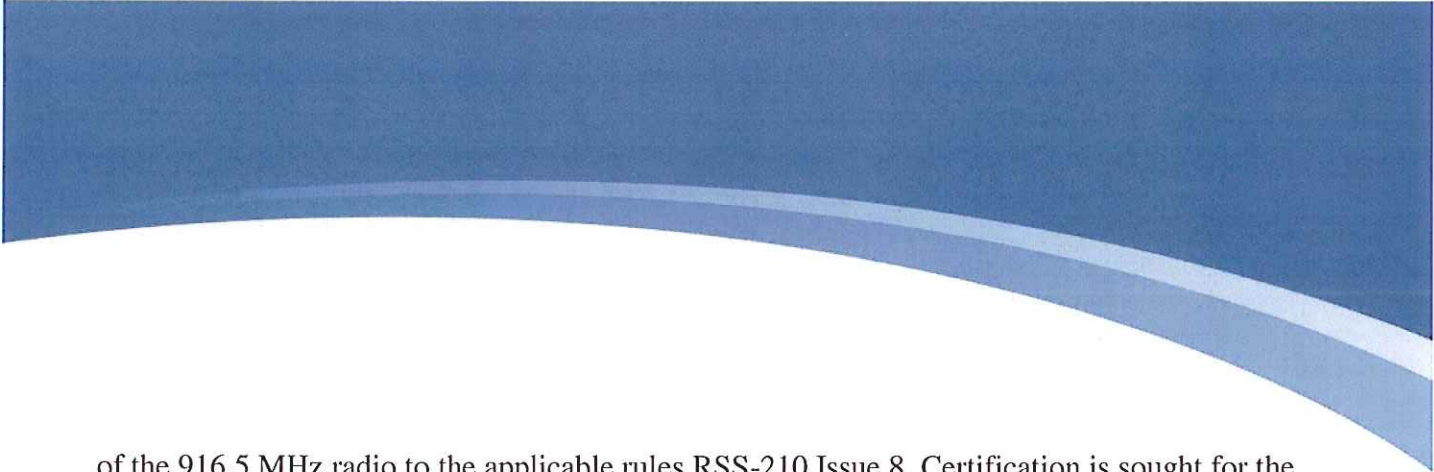
We, Guidant Corporation (a wholly owned subsidiary of Boston Scientific Corporation doing business as Boston Scientific Cardiology, Rhythm and Vascular), located at 4100 Hamline Avenue North, Arden Hills, MN 55112-5798 Guidant, is submitting this application for the family approval of the radios in its INGENIO™/ADVANTIO™/VITALIO™/INLIVEN™/INTUA™/INVIVE™/FORMIO™ Implantable Pacemaker models:

INGENIO™: K172, K173, K174, K175, K176, K177,  
ADVANTIO™: K062, K063, K064, K065, K066, K067  
VITALIO™: K272, K 273, K274, K275, K276, K 277  
INTUA™: V272, V273  
INVIVE™: V172, V173  
FORMIO™: K278, K279

This request is for a family approval under FCC ID: ESC CRMV17311

INGENIO™, ADVANTIO™, VITALIO™, INLIVEN™, INTUA™, INVIVE™, FORMIO™ are implantable pacemakers have the capability of pacing/sensing in one chamber of the heart, of pacing and sensing in two chambers, there also CRT-P devices which include the ability to pace in a third chamber. The implantable pacemakers continuously monitor the heart rate and send out pacing signals when necessary. The implantable pacemakers are used to treat heart rhythms that are too slow, a condition called tachycardia.

The INGENIO™/ADVANTIO™/VITALIO™/INLIVEN™/ INTUA™/INVIVE™/FORMIO™ “K” and “V” models incorporate a radio frequency (RF) telemetry radio that operates at 916.5 MHz in the ISM Band (902-928 MHz). This radio uses an integrated antenna with a maximum radiated output power of -1.25 dBm. The technical reports and exhibits demonstrate compliance



of the 916.5 MHz radio to the applicable rules RSS-210 Issue 8. Certification is sought for the 916.5 MHz radio.

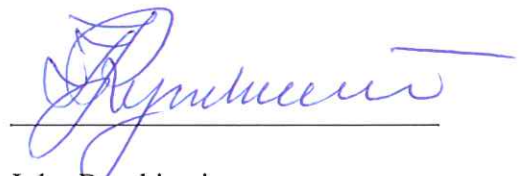
The INGENIO™/ADVANTIO™/VITALIO™/INLIVENT™/ INTUA™/INVIVE™/FORMIO™ models also incorporate an integrated low power inductively coupled telemetry coil, operating at 57 KHz. The inductive telemetry radio is subject to the Verification per FCC 15.201(a). All emissions are at least 40 dB below the FCC 15.209 limits.

Variations between the models are limited to the mechanical “header” structure of the device and software variations specific to the medical therapy aspects of the product. The radio, the antenna, and the enclosure are electrically and mechanically identical across all the model included in this application. Per FCC KDB 178919, Item 2(h) it is permissible to certify multiple model numbers under one FCC ID if there are only minor circuitry differences for the non-transmitter portions.

Sincerely,



Ioni Gueron  
Senior EE , RF Management  
Tel: 651.582.6318  
Fax: 651.582.2830  
Email: [ioni.gueron@bsci.com](mailto:ioni.gueron@bsci.com)



John Rymkiewicz  
Fellow, RF Management  
Tel: (651) 582-6869  
Fax: (651) 582-2830  
Email: [john.rymkiewicz@bsci.com](mailto:john.rymkiewicz@bsci.com)