



10 October 2025

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046

Dear Sir or Madam:

We, Cardiac Pacemakers, Inc., a subsidiary of Boston Scientific Corporation, located at 4100 Hamline Avenue North, St Paul, MN 55112-5798, are submitting this application for Class II Permissive Change of the radio functions incorporated in the following AUTOGEN™, DYNAGEN™, INOGEN™, ORIGEN™, RESONATE™, CHARISMA™, VIGILANT™, PERCIVA™, MOMENTUM™ Implantable Cardioverter Defibrillators (ICD) and Cardiac Resynchronization Therapy Defibrillators (CRT-D) models:

AUTOGEN™ (D046, D044, D047, D045, D176, D174, D177, D175, G179, G172, G177, G173, G175)
DYNAGEN™ (D022, D020, D023, D021, D152, D150, D153, D151, G158, G150, G156, G151)
INOGEN™ (D012, D010, D013, D011, D142, D140, D143, D141, G148, G140, G146, G141)
ORIGEN™ (D002, D000, D003, D001, D052, D050, D053, D051, G058, G050, G056, G051)
RESONATE™ (D420, D421, D432, D433, G424, G425, G426, G428, G437, G447, G448)
RESONATE™ HF (D520, D521, D532, D533, G524, G525, G526, G528, G537, G547, G548)
CHARISMA™ (D320, D321, D332, D333, G324, G325, G328, G337, G347, G348)
VIGILANT™ (D220, D221, D232, D233, G224, G225, G228, G237, G247, G248)
PERCIVA™ (D400, D401, D412, D413)
PERCIVA™ HF (D500, D501, D512, D513)
MOMENTUM™ (D120, D121, G124, G125, G126, G128, G138)

This request is for a Class II Permissive Change under FCC ID: ESCCRMG17912

The AUTOGEN™, DYNAGEN™, INOGEN™, ORIGEN™ models are authorized under FCC ID: ESCCRMG17912. The RESONATE™, CHARISMA™, VIGILANT™, PERCIVA™, MOMENTUM™ models qualified under a Class I Permissive Change on the basis that they incorporate the electrically and mechanically identical design as models authorized under FCC ID: ESCCRMG17912. Specifically, each FCC authorized model has a corresponding electrically and mechanically identical model in amended model scope listed in this document. This Class I Permissive Change was evaluated through Boston Scientific's internal quality system processes, based on FCC Permissive Change Regulation and KDB guidance.



Modifications to the originally certificated equipment evidenced in documentation reported to the Commission are fully described in the accompanying updated exhibits. This Class II Permissive Change request is the result of changes being made within the incorporated 402 – 405 MHz transmitter radio module that include use of new discrete components, SAW filter, and crystal. Further changes resulting from the new transmitter radio module include a new RF tuning inductor to match the antenna and a slight layout change on the main PCB to accommodate the package change to the new transmitter radio module. The transmitter radio module retains the identical transceiver described in the Operational Description on file under the existing authorization. The accompanying test report (BSTN1346.1 Rev.0) demonstrates conformance to CFR Title 47 Part 95 regulations, concerning the 402 – 405 MHz radio function. The models referenced in the test Configurations are chosen to represent the performance of all models listed in this letter, which incorporate the identical 402 – 405 MHz telemetry radio design.

No changes have been made to the integrated low power inductively coupled telemetry coil, operating at 57 KHz. The inductive telemetry radio relies on inductive coupling and is subject to Suppliers Declaration of Conformity under FCC 15.201(a). All emissions are at least 40 dB below the FCC 15.209 limits. All devices listed incorporate the identical 57 kHz inductive telemetry radio design.

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