Medtronic

Medtronic, Inc.
710 Medtronic Parkway
Minneapolis, MN-55432, USA

www.medtronic.com
Christiaan.masson@medtronic.com
tel +31 43 3566540

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

To whom it may concern.

Reference: Class II Permissive Change Request for FCC ID LF5BLEIMPLANT4, Medtronic Cobalt/Crome family of implantable devices:

- Cobalt XT VR MRI SureScan
- Crome VR MRI SureScan
- Cobalt DR MRI SureScan
- Cobalt XT HF Quad CRT-D MRI SureScan
- Cobalt HF Quad CRT-D MRI SureScan
- Crome HF Quad CRT-D MRI SureScan
- Cobalt VR MRI SureScan
- Cobalt XT DR MRI SureScan
- Crome DR MRI SureScan
- Cobalt XT HF CRT-D MRI SureScan
- Cobalt HF CRT-D MRI SureScan,
- Crome HF CRT-D MRI SureScan

I, the undersigned, as the authorized signatory for Medtronic, Inc. hereby apply for a Class II Permissive Change authorization for FCC ID LF5BLEIMPLANT4 to authorize a minor change.

The Medtronic Cobalt and Crome models include inductive telemetry at 175 kHz and Bluetooth Low Energy at 2402-2480 MHz and an FCC grant was obtained for the BLE telemetry.

Medtronic recently identified an issue with the Cobalt and Crome hardware that has the potential to exhibit a low-level leakage current through the BLE antenna to ground. Adding a DC blocking capacitor in series with the antenna will eliminate this potential current pathway to ground.
The change is included in the radio schematic document.

C401 currently exists as a discrete component but will be moved between the BLE antenna and its matching network to act as a DC blocking capacitor. The functionality previously associated with C401 will now be associated with C403; C403 will be an integrated component realized by the topology of the printed circuit board layers.

Testing was performed to FCC 15.247 which is included in this Class II Permissive Change application, together with the updated schematics, and applicable BOM and internal pictures.

In case of any additional questions please feel free to contact me. Many thanks in advance.

Sincerely,

Christiaan Masson

Regulatory Affairs Manager
Cardiac Rhythm Management