

January 30, 2017

FCC Filing : O8PCAPDH-2

**Re: Human Torso Simulator, Tissue-equivalent Material**

Please allow this declaration to serve as explanation on the reasons why our device was tested for radiated emissions while immersed inside a torso simulator containing tissue equivalent material . Our Endoscopy Capsule is a disposable, ingestible capsule intended to acquire images during natural propulsion through the digestive system.

For measurement purposes and to determine compliance with emission limits, the radiating characteristics of our Pillcam<sup>™</sup> transmitter model Colon 2 was placed in a test fixture to imitate the electrical characteristics to those of an ingested transmitter placed in a human body.

**FCC Regulations:**

- An appropriate human torso simulator for testing MedRadio's medical implant transmitters like the one specify in CFR 47 part 95 was used.
- The dielectric parameters used correspond to the FCC OET Bulleting Database values average for the digestive track and correspond to a conductivity of 1.2 and permittivity of 6.
- The Pillcam<sup>™</sup> model: Colon 2 was positioned in its worst case orientation in the middle of the torso simulator in order to reflect the use case condition.
- All other test techniques and requirements specified in Publication Number 617965 have been respected.

Should you have further questions, please feel free to contact me directly.

Sincerely,



Janet Gavidia

**Janet Gavidia**

**Medtronic**

Program Manager, Regulatory Affairs | RF

On Behalf of Given Imaging

Email:janet.gavidia@covidien.com