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 ™ 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™ 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

Medtronic

Program Manager, Regulatory Affairs | RF

On Behalf of Given Imaging

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