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November 20, 2008

VIA EMAIL

Angela E. Giancarlo
Chief of Staff and Senior Legal Advisor
Office of Commissioner Robert M. McDowell
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
Angela.Giancarlo@fcc.gov

Re: Investigation of the Spectrum Requirements for Advanced Medical Technologies – ET Docket No. 06-135; Amendment of Parts 2 and 95 of the Commission’s Rules To Establish The Medical Data Service at 401-402 and 405-406 MHz – RM-11271

Dear Ms. Giancarlo:

This letter follows up on our November 17, 2008 meeting on behalf of Medtronic Inc. relating to the above-referenced proceedings.

The proposed MEDS wing bands at 401-402 and 405-406 MHz and the existing Medical Implant Communications Service (“MICS”) rules at 402-405 MHz could be used to support the range of neurological and diabetes applications depicted on the attached slide entitled “MedRadio Device Applications.” While the 402-405 MHz core MICS band exclusively supports ultra-low-power communications from implanted medical devices, the MEDS wing bands are intended to support wireless communications from transcutaneous and body-worn sensors.

The ability to support interference-free communications from patients equipped with multiple devices is critically important. This is achieved through implementation of a MEDS band that is separate from, but complementary to, the existing core MICS band, and self-regulating RF interference avoidance tools, namely listen before transmit and frequency agility.

Please contact me if you have any questions or require any additional information.

Sincerely,

John W. Kuzin

John W. Kuzin
Counsel to Medtronic Inc.

Attachment

MedRadio Device Applications

Neurological
and Diabetes

COMMERCIAL

- Tremor
- Peripheral Vascular Disease
- Chronic Pain
- Malignant Pain
- Spinal & Cerebral Spasticity
- Liver Cancer
- Gastroparesis
- Diabetes
- Urinary Incontinence

IN DEVELOPMENT

- Parkinson's Disease
- Dystonia
- Obsessive-Compulsive Disorder
- Depression
- Epilepsy
- Occipital Neuralgia
- Angina Pain
- Nonopioid Pain
- Obesity
- Diabetes
- Interstitial Cystitis
- Bowel Disorders

Therapy
and Market
Development

- MiniMed Pump
- Drug Delivery
- Neurostimulation



Medtronic

Alleviating Pain · Restoring Health · Extending Life

Wireless-enabled medical devices will continue to proliferate.