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July 29, 2010

Marlene H. Dortch, Secretary
Federal Communications Commission
445 Twelfth Street, SW
Washington, DC 20554

Re: WP Docket No. 07-100, Amendment of Part 90 of the Commission's Rules
Ex Parte Presentation

Dear Ms. Dortch:

On July 28, 2010, Delroy Smith and Paul Coss of Philips Healthcare and the undersigned met with Renee Crittendon, Scot Stone and Stanislava Kimball of the Wireless Telecommunications Bureau.

We discussed issues raised in the above-referenced proceeding with regard to the safe operation of Part 95 Wireless Medical Telemetry Service equipment using secondary spectrum and the need for such use. The points raised at this meeting are discussed in detail in Philips' earlier filings in this docket. In addition, the attached snapshot slide showing a 1-second spectrum sweep with an operating signal and interfering signal was viewed.

This letter is being filed electronically in the above docket and copied to meeting participants by email.

Respectfully,



David R. Siddall
Counsel to Philips Healthcare

Attachment

Philips Smart-Hopping Telemetry: Why we care.....

- This technology can operate in the Primary-Only spectrum.
- However, the secondary spectrum helps support wireless coverage in large institutions and provides extra design margin. Good engineering design.
- The technology allows use of spectrum on a second-by-second basis.
- The technology fully protects primary users.
- The technology is clinically safe and effective using secondary channels.

Philips Smart-Hopping Telemetry: Protecting Patients: Managing Interference

- Intelligent, Cognitive Radio Technology
- Senses it's own local radio environment
 - Always monitors all its possible channels.
 - Uses only clear channels.
 - Selects the best antenna to use (spatial diversity).
 - Designed to co-exist with frequency hoppers and other interferers.
 - Data packets use cyclic redundancy check (CRC) to manage errors.
 - Transmission retries through automatic repeat request (ARQ).
 - *Clinical value: Achieves very low data loss per device*



Smart-hopping
Channel A

Smart-hopping
Channel B

