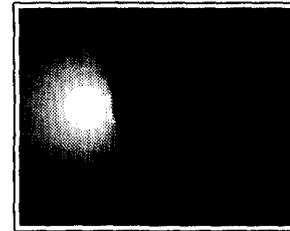


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January 5, 1995

Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Regarding: Notice of Proposed Rule Making, ET Docket No 94-32

Gentlemen,

The Federal Communications Commission is considering auctioning microwave spectrum in the Industrial, Scientific and Medical (ISM) Band at 2402-2417 KHz and I oppose this action. The microwave frequency band that you are proposing to set aside for communications is a critical one for Wireless Power Transmission (WPT) technology and has been used for most of the WPT experimentation in the United States (and the rest of the world).

The US government's research programs on WPT have resulted in the creation of significant assets in both technology and equipment for experimentation and demonstration of ground-to-ground and ground-to-air prototypes in this technology. In fact, two US companies have been formed to utilize WPT technologies for commercial purposes.

However, the U.S. is not the only country to investigate this technology. Japan has used WPT to power an aircraft demonstration in 1992, the first space-to-space demonstration in 1993, and a ground-to-ground demonstration in 1994 by the Kansai Electric Company, a regional power utility. Canada has flown prototypes of the Stationary High-Altitude Relay Platform (SHARP), an aircraft which receives its power via a radio-frequency transmission from the ground.

I support the use of of space-based resources and we feel that WPT will be a key to the economic development of space. Space-based power transmission to Earth promises to be a renewable, non-polluting solution to our growing energy demands. This ISM band is critical to that technology. In order to assure U.S. competitiveness in this area, I urge you not to reallocate the ISM Band 2402-2417 KHz to communications services.

Sincerely,

Rick Hanson

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