

From: David Rector

To: Jose Trevino

Date: November 05, 2009

Subject: 0341-EX-PL-2009

Message:

Mr. Trevino,

As mentioned in our NIH grant, we are developing wireless power technology to provide power to our implantable devices. As such, there are many trade-offs in terms of data rates, antenna size, coupling efficiency and carrier frequency that we must consider. Thus, I originally requested the 2-24 MHz range to give us the flexibility to explore the various options and to experimentally verify certain relationships that we are investigating. We will, of course, target the 13.56 MHz ISM band, but during the experimental phase of our project, we need to try various frequencies. We will not need the entire band all the time, but will be testing various frequencies within that range. Additionally, our transmitting antenna's will not be above ground, nor be long enough to transmit any significant distance.

Since the purpose of the Experimental License is to enable investigations and explorations in such areas, I do not understand why 2-24 MHz is too wide. Please help me to understand the limitations of the Experimental License, or please allow us to experiment in the requested range.

Thank you for your time.

Sincerely,

Dave Rector

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