

MetaPower, LLC

Application for Experimental Authority

Narrative Statement

MetaPower, LLC, a limited liability company, seeks experimental authorization to test and demonstrate wireless power transfer (“WPT”) technology in the 5.725 – 5.875 GHz and 24.0 – 24.25 GHz ISM bands. The purpose of the testing is to (1) quantify the beam power density profiles at various distances from the experimental WPT transmitter and (2) to demonstrate autonomous operation of a remotely-powered load at distances up to 20 meters.

MetaPower provides the following information not provided in the on-line Form 442:

All testing will be conducted indoors at MetaPower’s headquarters located at 411 First Avenue S., Suite 405, Seattle, WA.

MetaPower C-band Electronically Steerable Antenna (5.725 – 5.875 GHz)

Beam width at half-power point: 8.5° by 17°
Orientation in the horizontal plane: Not applicable
Orientation in the vertical plane: Not applicable

MetaPower Ku-band Electronically Steerable Antenna (24.0 – 24.25 GHz)

Beam width at half-power point: 2.2° by 2.2°
Orientation in the horizontal plane: Not applicable
Orientation in the vertical plane: Not applicable

Stop buzzer point of contact

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