

From: Steve Stephansen

To: Behnam Ghaffari

Date: March 13, 2014

Subject: FCC File No. 0111-EX-PL-2014

Message:

Hi Behnam -

Here's how we're calculating the power level. Let us know if you have any questions.

LifeWave's -10 dB bandwidth (BW) is approximately 3 GHz. The FCC PSD limit for indoor UWB is -41.3 dBm/MHz.

ERP = BW*PSD

ERP = $10\log(\text{BW} \cdot \text{PSD}) = 10\log(3000/1) - 41.3$

ERP = $34.8 - 41.3$ [dBm]

ERP = -6.5 dBm

ERP = 0.22 mW