

From: Justin Robinson

To: Doug Young
Date: June 23, 2020

Subject: Request for Info - File # 0053-EX-CN-2020

Message:

Please consider our submission from 6/9/2020. The values contained in that submission are below and are the PFD calculations in a 4kHz reference bandwidth.

For 1.2M antenna:

PFD level at the surface of earth in 4kHz = 0.4297W/m^2 (-13 dBW/m²)

PFD level at the GEO belt in 4kHz = $2.33\text{e-}14\text{W/m}^2$ (-136 dBW/m²)

For 2.4M antenna:

PFD level at the surface of earth in 4kHz = 0.0108W/m^2 (-19.67 dBW/m²)

PFD level at the GEO belt in 4kHz = $9.29\text{e-}14\text{W/m}^2$ (-130 dBW/m²)

Thank you for your consideration,
Bennett Weir
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