

From: Dustin Sanders

To: Leann Nguyen

Date: July 24, 2012

Subject: FCC File# 0516-EX-ST-2012

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Message:

Greetings, I have updated the ERP, but how are you calculating your ERP? I've been trying to duplicate your calculations and have been unable to using Publication: 412172 Determining ERP and EIRP I guess how do you go from 45 dBi to ERP in Watts. I found a calculator that gets kinda close to your numbers <http://www.eccosorb.eu/erp-eirp-calculator> but following the official FCC doc I can't even get close. Please let me know if the numbers I have are correct if not how are you calculating these numbers.

Also, the 5.8GHz ground antenna was supposed to be 34 dBi gain, the rest is all correct. We do have a 17 dBi antenna for the 5.8 but we would like to be able to use our large dish. Thank you for your assistance.