

## Behnam Ghaffari

**From:** John 1 Adams <john.adams@raytheon.com>  
**Sent:** Thursday, October 24, 2013 9:37 AM  
**To:** Behnam Ghaffari  
**Subject:** Fw: FCC File No. 0961-EX-ST-2013

Mr. Ghaffari,

My Program engineering lead for this project provided the following calculations for ERP.

All other info on the other application is correct (e.g., 4.9GHz), with the following change to ERP:  
ERP = 24W

ERP calculated as follows:  
EIRP = 46dBm (from Cambium LinkPlanner tool. This conforms to US policy.)

ERP (in watts) is calculated to be 24W

| Radiated Power Calculator: ERP, EIRP |                      |    |                      |                      |                      |
|--------------------------------------|----------------------|----|----------------------|----------------------|----------------------|
|                                      |                      |    | EIRP<br>(mW)         | EIRP<br>(dBm)        |                      |
| EIRP (mW)                            | <input type="text"/> | GO |                      | <input type="text"/> | <input type="text"/> |
| EIRP (dBm)                           | 46                   | GO | 39810.717            |                      | 242                  |
| ERP (mW)                             | <input type="text"/> | GO | <input type="text"/> | <input type="text"/> |                      |
| ERP (dBm)                            | <input type="text"/> | GO | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| dBuV/m at 3m                         | <input type="text"/> | GO | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| dBuV/m at 10m                        | <input type="text"/> | GO | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Thanks!

Regards,

John

**John F. Adams**  
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----- Forwarded by John 1 Adams/US/Raytheon on 10/24/2013 09:33 AM -----

From: <oetech@fccsun27w.fcc.gov>  
To: <john.adams@raytheon.com>  
Date: 10/24/2013 09:20 AM  
Subject: FCC File No. 0961-EX-ST-2013



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To: John Adams, Raytheon Integrated  
Defense System  
[john.adams@raytheon.com](mailto:john.adams@raytheon.com)  
From: Behnam Ghaffari  
[Behnam.Ghaffari@fcc.gov](mailto:Behnam.Ghaffari@fcc.gov)

Applicant: Raytheon Integrated Defense System  
File Number: 0961-EX-ST-2013  
Correspondence Reference  
Number: 21781  
Date of Original Email: 10/24/2013

Mr. Adams,

Please confirm the requested ERP.

The items indicated above must be submitted before processing can continue on the above referenced application.

Failure to provide the requested information within 30 days of 10/24/2013 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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