

From: Joshua Wurman

To: Leann Nguyen

Date: October 20, 2007

Subject: FCC File# 0567-EX-PL-2007

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Message:

Sirs:

This grant request was to renew our license to transmit at various VHF frequencies. Our previous grant was 0226-EX-ST-2006 callsign WA2XNA.

I was unsure if I should file a renewal under WA2XNA or start a new application. Please advise.

Responses to your specific questions:

1. 5 year versus 2 year: We are applying for a 5 year license since we anticipate research work using these frequencies for communication extending into 2012. We can accept a shorter license period, but then we anticipate requesting renewals. We have an NSF project extending out at least 3 years, into 2011.

2. emission designators, erp, etc: We are using off the shelf Motorola radios for vhf communications, using standard omnidirectional whip antennas. Our bandwidths are those that are typical for voice comms, but I don't know exactly how the radios work internally. The ERP is likely similar to the total power since we are using non-directional antennas.

I am not sure if the above are sufficient answers. If not, please ask again.

3. specifics within each state: Our research activities are nationwide and mobile, our radios will be on mobile research vehicles. So, there are no specific lat/lons. Our primary territory of operations is: MY, WY, CO, NM, CA, NV, UT, AZ, ND, SD, NE, KS, OK, TX, LA, AR, MO, IA, MN, IL, IN, OH, PA, NJ, DE, MD, NC, SC, GA, FL, AL, MS.

The answers to all of the above questions are identical for all of our antennas since these are all communications radios on vehicles.