

From: Chris Hushak

To: Jose Trevino

Date: May 11, 2011

Subject: FCC file number 0187-EX-PL-2011

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Message:

Response to NTIA manual Section 8.3.28:

1. Individual authorization....

Yes, the system is all indoors except for the receive antenna. The building is sheet metal roof and concrete/metal sides. Currently, no GPS signals enter due to inherent shielding due to building design.

2. Application already made to FCC, in progress. 0187-ex-pl-2011.

3. Frequency assignment.... N/A, none needed.

4. 2 years term is acceptable.

5. Area is under 24/7 guard, who is authorized to shut down GPS system. System is to be powered through an emergency cut-off switch that shuts power to GPS system as well as entire lab except for emergency lighting.

6. Calculations show no power exceeding 140 dBm at 100 feet. A separate attachment in excel format is to be submitted showing each radiator power at both L1 and L2 GPS frequencies.

7. GPS users..... Yes.

8. Limited to research of commercial GPS receivers performance in ambient and temperature/humidity chambers.

9. Stop buzzer point of contact is the 24 hour/7 day security guard at 703-260-3500, the facility engineer Dan Maticic at 703-260-3594 and the technical lead engineer Chris Hushak at 5710250-1879.