

To: Daniel Brewer
E-Mail: dbrewer@nd.edu
From: Doug Young
Date: December 05, 2017

Subject: Request for Info - File # 0282-EX-CM-2017

Message:

1. What is the necessary bandwidth for each of the two new frequency bands that you have requested?
2. The frequency band 2.700-2.900 GHz requires pre-coordination with FAA before any further processing can occur. The procedure for that coordination is given below.

The Federal Aviation Administration (FAA) POC for experimental licensing application coordination is:

Rodney Murphy
Federal Aviation Administration
Spectrum Engineering and Policy
Fixed/Land Mobile, UAS, Satellite, Experimentals
FAA FAS Representative
202-267-9501

Please report the following information to the FAA Frequency Management Office.

- peak envelope power (PEP);
- type of antenna;
- transmit antenna gain;
- elevation above sea level of the antenna site;
- height above ground of the focal point of the antenna;
- antenna polarization;
- the azimuth that the antenna is pointed or appropriate designator to indicate whether the antenna is rotating, non-directional, etc.;
- pulse repetition rate (PRR) that the equipment is capable of operating on to include PRR stagger sequences if appropriate, whether the PRR is adjustable and what PRR's the equipment can accept, and any other information that would be helpful in understanding the pulse characteristics of the equipment;
- pulse width;
- equipment nomenclatures;
- whether the equipment is capable of blanking transmissions in certain azimuths and any limitations with respect to blanking;
- radius of operations if appropriate;
- detailed description of the proposed operation to include any technical parameters that will be altered during operations.

Report back to this office when coordination with the regional office has been completed, and report any "NG T" numbers assigned by the FAA Frequency Management Office.

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 December 05, 2017 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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Responses to this correspondence must contain the Reference number : 39928