

To: Tyler Armbruster
E-Mail: tyler.armbruster@ngc.com
From: Doug Young
Date: January 09, 2014

Subject: Request for Info - File #0727-EX-PL-2013

Message:

I think some basic understanding about experimental licensing is in order here before we go any further. First, the FCC does not pick frequencies. It is the experimenter that should research what frequencies would be the best for their application. It appears that you are just picking haphazardly and trying to avoid coordination. You should select frequencies that you are most likely to use once you are beyond the experimentation stage. You can use others with the intent to change at the post-experimentation stage, but you need to state this and justify this. Interested parties that will be evaluating your frequency request may be less likely to sign off on frequency use that does not comport with the spectrum allocation.

Your frequency request should be as narrow as possible with the least amount of power needed to accomplish the objective. Wider bands and higher powers are harder to clear. Your frequency request is still pretty broad and 96 W is significant. I am asking you to provide a more detailed description of your experiment and a justification for 96 W.

The latest band you have proposed (2025-2110 MHz) is allocated for various space services and various auxiliary television services. This means that I will need to coordinate with Federal government agencies and the FCC's Wireless Telecommunications and Media bureaus.

You are within your rights to amend the application to add balloon use. However, airborne applications can have large footprints and are even more difficult to coordinate. You will need to provide the maximum altitude you wish to transmit from and also center coordinates and a radius of operation for the intended area of testing.

Please respond with an in-depth response addressing all the concerns I have brought up.

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 January 09, 2014 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at <https://apps.fcc.gov/oetcf/els/index.cfm> by clicking on the "Reply to Correspondence" hyperlink.

Responses to this correspondence must contain the Reference number : 22558