

To: Rob Alderfer
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From: Anthony Serafini
Date: August 05, 2016

Subject: FCC STA questions

Message:

Our International Bureau is asking for additional information regarding your application. Please upload an exhibit that responds to the following:

Satellite Division found a number of earth stations near the proposed experimental stations (some of the distance separation are 0.7, 0.7, 1.0, 1.1, 1.3, 2.8, 3 km, etc. this is not a complete list).

Our analysis indicates there is a high potential for in-band and adjacent band interferences, but we need more detail information to finalize our analysis.

* Please provide a spectrum plot of waveform output from the antenna for each emission (10M0D7D, 20M0D7D, 40M0D7D).

* Does the system use filtering and if so what is the filter roll-off?

* What is the power level between 3670 - 3673 MHz and 3694 - 3702 MHz?

* How close to the edge of the 3700 MHz will the experimental transmitter need to operate?

* How many sub-carriers are planned for this test?

* Can the test be performed at and below 3650 MHz?

* Does the test equipment employed mitigation technique to avoid interference? If so, please provide specific details on how it operates.

* Please provide an antenna pattern plot of the base stations.

* Are the base station antennas setup to tip down towards the ground? Is so what is the off-axis angle from a zenith point of view?

Applicant be aware that there is a FSS earth station authorize license (call sign: E080238) receiving signals from a space station in the band 3670 - 3673 MHz and 3694 - 3702 MHz that has a high potential of interference from the propose experimental station. Consult the MyIBFS database in the FCC.GOV website for more information on the licensee.

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 August 05, 2016 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 : 33430

