To: Joel Thorsheim
E-Mail: joel.d.thorsheim@boeing.com
From: Leann Nguyen
Date: August 15, 2016

Subject: Request for Info - File # 1171-EX-ST-2016

Message:

1) For all the fixed station (3.7-4.2 GHz, 4.5-4.8 GHz, 5.65-5.925 GHz), provide an antenna pattern with H and V planes that will use for each frequency range.

The antenna pattern should provide the following:
1a)- max gain (dBi) and beamwidth (degs)
1b) - first major sidelobe gain and the angle of this sidelobe gain.
1c) - second major sidelobe gain and the angle of this sidelobe gain.
1d) - third major sidelobe gain and the angle of this sidelobe gain.

2) How many fixed station antenna will be transmitting at each location?

3) For each fixed transmit antenna provide the pointing direction in azimuth (deg) and elevation (deg). For all fixed station we need to know the exact direction each antenna is pointing to.

4) Can the fixed station operate at a lower power level (this is related to the 20k watt ERP)?

5) How long (time) will each test last (per day)?

6) Provide a spectrum plot of transmitting antenna output for each emission (20 MHz, 40 MHz, 80 MHz).

7) Is filtering used? If yes, what is the filter edge roll-off?

8) Is any interference mitigation technique used? if yes, please provide a detail technical description how it works.

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 15, 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 : 33526