

From: Sydney White

To: Leann Nguyen

Date: August 13, 2014

Subject: FCC File# 0558-EX-PL-2014

Message:

1) The frequencies requested are not within the amateur frequencies so an IARU coordination letter is not required.

2) I submitted the SpaceCap file to you today by email using the .xxx extension. This is the same SpaceCap file as Booz Allen Hamilton submitted for 0531-EX-ST-2014.

3) On the NOAA application, it can be confirmed by contacting Alan Robinson, NOAA/NESDIS/Commercial Remote Sensing Regulatory Affairs SSMC1, Room 8137, 1335 East-West Highway
Silver Spring,
MD 20910
301-713-3387,
alan.robinson@noaa.gov

4) A cost recovery fee letter is not required since IARU coordination is not required

5) The inclination angle will be 51.65 degrees, the apogee will be 420 km, and the perigee will be 420 km, and the orbital period will be 92.89. The satellite will be the only satellite in the system.

6) The satellite transmitter antenna gain will be 2 dBi, beamwidth will be 29 degrees, azimuthal range will be 360 degrees and +/-90 degrees for elevation (180 degrees total).

The earth station receiver antennas will have a gain of 16.3 dBi, a 44 degrees beamwidth, an azimuthal range of 360 degrees, and a minimum angle of elevation of 20 degrees. The earth station antenna located in Linthicum, MD will be 81 meters above mean sea level. The earth station antenna located in Rochester, MN will be 331 meters above mean sea level.

Both earth station antennas will have an overall height above ground to the tip of the antenna of 5 meters.

7) The Stop Buzzer contact is John Swartz 919-595-4825 (office) and 919-270-5074 (mobile).

Please let us know if you need other information. Thank you.

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