

From: Jake Schaffner

To: John Kennedy

Date: July 25, 2003

Subject:

FCC File #: 0063-EX-PL-2003

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Message:

In response to your request for information:

1. The receiving earth station antenna gain, beamwidth and azimuth.

The receiving earth station has an antenna gain of 16.8dBdc, Beamwidth of 21 degrees circular, and the azimuth is computer controlled to track the satellite.

2. Is the antenna used to transmit from the space station to the earth station an earth coverage antenna or a narrow beam antenna?

The antenna described in question (1) is used for both transmit and receive. As such, a narrow beamwidth (21 degrees) is used in both directions.

3. Orbital information comprising the equatorial inclination angle in degrees, the apogee in kilometers, the perigee in kilometers, the period and the number of satellites in the system.

Orbital Inclination: 98 degrees

Apogee: 700km

Perigee: 700km

Period: 99 minutes

Number of Satellites: 1