From: Gerry Seck

To: Behnam Ghaffari
Date: October 19, 2011

Subject: FCC File No. 0334-EX-PL-2011

Message:

Mr. Ghaffari,

Here is the information that you requested.

Please provide the following information with respect to the satellite(s):

1. Satellite Coverage (narrow beam antenna or earth coverage antenna)
The link with emission designator 7M50G7A is a narrow beam antenna.
The link with emission designator 2K00G2D is an earth coverage antenna.

2. Receive antenna gain
The link with emission designator 7M50G7A has a gain of 30.8 dB.
The link with emission designator 2K00G2D has a gain of 5.5 dB.

3. Beamwidth of receive antenna (0-360 degrees)
The link with emission designator 7M50G7A has a beamwidth of 5 degrees.
The link with emission designator 2K00G2D has a beamwidth of 100 degrees.

Please provide the following information with respect to the earth station antenna:

1. Transmit antenna elevation (0-90 degrees)
The transmit antenna elevation is 5 to 90 degrees.

2. Transmit antenna gain
The transmit antenna gain is 55.7 dBi.

3. Beamwidth of transmit antenna (0-360 degrees)
The beamwidth of the transmit antenna is 0.20 degree.

4. Elevation of transmit antenna MSL (in meters)
The elevation of transmit antenna is 213 meters MSL.

5. Height of transmit antenna AGL (in meters)
The height of the transmit antenna is 4.9 meters AGL.

I believe that the FCC Form 442 is the correct license application.
My application has to apply for both the uplink and downlink, in other words,
two way communication links to/from the satellite(s) and earth station.
My answers above pertain only to the uplink from the earth station to satellite.
Also my application is intended for a permanent license.
Please let me know if another form besides 442 is more appropriate for me to be using.

Best regards,

Gerry Seck
Microwave Department Manager
L-3 Communications
Datron Advanced Technologies Division
10/19/11