From: Laurie Sussman

To: Behnam Ghaffari
Date: June 13, 2017

Subject: 0368-EX-CN-2017

Message:

Dear Mr. Ghaffari:

In response to your request for additional information on May 31, 2017 for license application 0368-EX-CN-2017, Rockwell Collins, Inc. confirms that there will be 2-way communication with a satellite in space. Accordingly, we provide the following requested information:

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

For Cedar Rapids, IA:
1. Name of satellite: SES-2
2. Longitude of satellite: 87 degrees West
3. Satellite coverage (Narrow Beam(NB) or Earth Coverage(EC)): Narrow
4. Receive antenna gain: 36 dBi
5. Beamwidth of the receive antenna at the half power points: 2.9 degrees

For Melbourne, FL:
1. Name of satellite: SES-10
2. Longitude of satellite: 67 degrees West
3. Satellite coverage (Narrow Beam(NB) or Earth Coverage(EC)): Narrow
4. Receive antenna gain: 36 dBi
5. Beamwidth of the receive antenna at the half power points: 2.9 degrees

Please provide the following information with respect the transceiver ground-station antenna(s):

For Cedar Rapids, IA:
1. Transmit antenna gain (dbi): 43 dBi
2. Beamwidth of transmit antenna at the half-power points: 1.2 degrees
3. Transmit antenna azimuth: 179.0 degrees
4. Elevation of transmit antenna MSL (in meters): 258 meters
5. Elevation of transmit antenna AGL (in meters): 10 meters

For Melbourne, FL:
1. Transmit antenna gain (dbi): 43 dBi
2. Beamwidth of transmit antenna at the half-power points: 1.2 degrees
3. Transmit antenna azimuth: 152.8 degrees
4. Elevation of transmit antenna MSL (in meters): 7 meters
5. Elevation of transmit antenna AGL (in meters): 0 meters

Should you have any additional questions, please let us know.

Sincerely,

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