

From: Daniel McNeil

To: Leann Nguyen

Date: June 22, 2015

Subject: FCC File 0306-EX-PL-2015

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Message:

1. CONUS Operations are needed to demonstrate capabilities to possible Mil-Ka customers (DoD). Operations exact locations will change due to DoD customer locations. Operations will be intermittent.

2. Transmitter

a. GigaSat 22x14

Polarization-LHCP/RHCP

Orientation-n/a

Lat/Long-CONUS

Antenna Gain-42 dBi

Azimuth/Elevation-110°; to 250°; 5°; to 60°;

Beamwidth-1.2°; to 250°; 5°; to 60°;

Height-0m

b. Gigasat 8x8

Polarization-LHCP/RHCP

Orientation-n/a

Lat/Long-CONUS

Antenna Gain-39 dBi

Azimuth/Elevation-110°; to 250°; 5°; to 60°;

Beamwidth-1.8°; to 250°; 5°; to 60°;

Height-0m

Receiver

a. GigaSat 22x14

Polarization-LHCP/RHCP

Orientation-n/a

Lat/Long-CONUS

Antenna Gain-35.2 dBi

Azimuth/Elevation-110°; to 250°; 5°; to 60°;

Beamwidth-3.1°; at 30.5GHz

Height-0m

b. Gigasat 8x8

Polarization-LHCP/RHCP

Orientation-n/a

Lat/Long-CONUS

Antenna Gain-34.2 dBi

Azimuth/Elevation-1.8°; to 250°; 5°; to 60°;

Beamwidth-4.6°; at 30.5GHz

Height-0m