

From: Steven Hemple

To: Leann Nguyen

Date: July 24, 2019

Subject: Request for Info - File # 0539-EX-CN-2019

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Message:

Response to the requested information is listed below:

Transmitter antenna:

Location: Aeronautical, All 50 States of the US

Polarization: Circular

Beamwidth (in degrees): 5

Gain: 31 dBi

Orbital characteristics of the Kepler NGSO satellite system:

Inclination angle (in degree): 90;

Apogee (in km) - Perigee (in km): 600 km, 600 km

Period (in hours): 1.62

Number of satellites in the system: 140

Number of planes: 7

Number of satellites per plane: 20

Number of transmitting satellites: 140

Number of receiving satellite: 140