From: Steve Hemple

To: Leann Nguyen
Date: April 10, 2019

Subject: Request for Info - File # 0085-EX-CM-2019

Message:

Transmitter Antenna:

Earth station antennas communicating with the Kepler NGSO satellite network are the same as has been used under this experimental license. These antennas are aeronautical ESIMs and per the conditions of the granted license terminals on this network will operate in the following locations:

•   MOBILE: US, US
•   MOBILE: ATLANTIC OCEAN, US
•   MOBILE: PACIFIC OCEAN, US
•   MOBILE: GULF OF MEXICO, US

Orbital characteristics of the Kepler NGSO satellite network:
•   Inclination angle (in degree): 90º
•   Apogee (in km) - Perigee (in km): 600 km, 600 km
•   Period (in hour): 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