

From: Carlos Nalda

To: Behnam Ghaffari

Date: October 14, 2020

Subject: FCC File No. 0708-EX-CN-2020

Message:

Response to FCC correspondence:

Satellite Information

Satellite Coverage (Narrow Beam (NB) or Earth Coverage (EC))

- NB (when visible from Tucson, AZ only)

Receive antenna gain

- 15.44 dBi

Beamwidth of the receive antenna at the half power points

- Vertical plane 25°; (±12.5°), Horizontal plane 60°; (±30°)

Name of Satellite

- LEMUR-2 (KeyW Payload)

Antenna polarization

- H, V

Satellite Inclination Angle

- 51.6°;

Apogee

- 419 km

Perigee

- 419 km

Orbital Period

- 1.5 hours

Number of Satellites in the System

- 1

Earth Station Information

Transmit antenna gain (dbi)

- 41.2 dBi (9875 MHz)

Beamwidth of transmit antenna at the half-power points

- 1.5°; (9875 MHz)

Transmit antenna azimuth

- 0-360°;

Elevation of transmit antenna ASL (in meters)

- 820m

Elevation of transmit antenna AGL (in meters)

- 19m

Antenna polarization

- H, V

Best regards,

Carlos Nalda

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