

From: Scott Waller

To: Leann Nguyen

Date: February 05, 2021

Subject: Request for Info - File # 0033-EX-CN-2021

Message:

This document serves as an overview of all submitted documents based on the request for info dated January 22, 2021.

- ODAR: attached as "LS 3U ODAR.pdf";.
- Spacecap data file: was sent to FCC contacts
- Spacecap letter: attached as "LS-4.pdf";
- Cost recovery letter: ITU cost is 570 CHF for API and 7030 CHF for notification (N4), see ITU CR/245
- A NOAA or IARU license is not required

- Transmitter Antenna (satellite):

Perigee: 550 km
Apogee: 575 km
Polarization: RHCP
Orientation: Nadir Pointing
Dimension: Gain: 2.15 dBi
Beamwidth: omnidirectional
Azimuth & Elevation/ Height: N/A

- Receiver Antenna (Ground Device):

City/ State	Lat, Lon	Height [m]
Bellevue/ WA	47.61450, -122.18874	25
Yakima/ WA	46.60228, -120.52723	335
Lompoc/ CA	34.64168, -120.44003	36
San Francisco/ CA	37.75769, -122.44537	140

Applicable to all above mentioned ground devices:

Polarization: RHCP
Beamwidth: Omnidirectional
Azimuth: N/A (Omnidirectional)
Height: 0-2 m above ground

Orbital characteristics

NORAD ID: 46492

Perigee: 549.9 km

Apogee: 575.6 km

Inclination: 97.7 °

Period: 95.8 minutes

Number of (transmitting and receiving) satellites: 1 (LS-4 filing contains more, but only one shall be used for this experimental license)

Launch date: September 28, 2020

Contact

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