

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

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

Scott Waller, +14254286100