

SUPPLEMENTAL FILING INFORMATION (X-BAND)
FCC FILE NO. 0782-EX-CN-2026

Provide the following information with respect to the satellite(s): a) Longitude b) Satellite coverage (Narrow Beam(NB) or Earth Coverage(EC)) c) Receive antenna gain d) Beamwidth of the receive antenna at the half power points e) Antenna polarization

- a) Longitude:** NGSO satellite – N/A
- b) Satellite coverage (Narrow Beam(NB) or Earth Coverage(EC)):** NGSO satellite – N/A
- c) Receive antenna gain:** 17.8 dBic
- d) Beamwidth of the receive antenna at the half power points:** HPBW of 22°
- e) Antenna polarization:** LHCP

Provide the following information with respect the transceiver ground-station antenna(s): a) Transmit antenna gain (dbi) b) Beamwidth of transmit antenna at the half-power points c) Transmit antenna azimuth d) Elevation of transmit antenna MSL (in meters) e) Elevation of transmit antenna AGL (in meters) f) Antenna polarization

- a) Transmit gain (dBi):** 46.83 dBi @ 7.000 GHz
- b) HPBW of Tx antenna:** Consistent with FCC form 442 HPBW of 0.70°, necessary for a reflector size of 3.7m and efficiency of 60% (from Comtech) @ 7.000 GHz.
- c) Transmit antenna Azimuth:** 0 - 360 degrees
- d) Elevation of transmit antenna MSL:** 1874.0 m
- e) Elevation of transmit antenna AGL:** 7.0 m
- f) Polarization:** LHCP / RHCP (selectable not simultaneous)