

FCC APPLICATION FILE #0694-EX-ST-2016

a) THE TYPE OF SATELLITE, GEOSTATIONARY OR NONGEOSTATIONARY

Nongeostationary.

B.) IF ANY SATELLITES ARE NONGEOSTATIONARY, REPORT ITS INCLINATION cANGLE, APOGEE IN KILOMETERS, PERIGEE IN KILOMETERS, ORBITAL PERIOD IN HOURS AND FRACTIONS OF HOURS IN DECIMAL, THE NUMBER OF SATELLITES IN THE SYSTEM,

98° inclined, 580 x 550 km orbit, orbital period 1.6 hours, 1 satellite

b) THE SATELLITE TRANSMITTER ANTENNA GAIN AND BEAMWIDTH,

4.5 dBi RHCP, 120° beamwidth

c) THE SATELLITE TRANSMITTER ANTENNA AZIMUT: NARROWBEAM (NB),
EARTH COVERAGE (EC),

EC

d) THE EARTH STATION RECEIVER ANTENNA GAIN, BEAMWIDTH, AZIMUTHAL RANGE, THE SITE ELEVATION ABOVE MEAN SEA LEVEL IN METERS AND THE ANTENNA HEIGHT ABOVE TERRAIN IN METERS,

4.0 dBi RHCP, 120° beamwidth, 360° azimuth range, elevation xx m above mean sea level, and xx m above terrain

e) THE EARTH STATION RECEIVER ANTENNA AZIMUTH, THE MINIMUM ANGLE OF ELEVATION (V00 TO V90),

360° azimuth range, minimum angle 5° (V05)

f) THE TRANSMITTER ANTENNA ORIENTATION (XAP), EXAMPLE XAP01 J , AND THE RECEIVER ANTENNA ORIENTATION (RAP), EXAMPLE RAP01 J , WHERE J REPRESENTS LINEAR POLARIZATION. OTHER POLARIZATIONS INCLUDE H FOR HORIZONTAL, V FOR VERTICAL, S FOR HORIZONTAL AND VERTICAL, L FOR LEFT HAND CIRCULAR, R FOR RIGHT HAND CIRCULAR, T FOR RIGHT AND LEFT HAND CIRCULAR, E FOR ELLIPTICAL AND O FOR OBLIQUE ANGLED CROSSED.

XAP01 R, RAP01 R