Francis Park
Georgia Institute of Technology
FCC File No. 0363-EX-CN-2017

Additional Info:

1. THE TYPE OF SATELLITE, GEOSTATIONARY OR NONGEOSTATIONARY
   - Non-geostationary
2. IF ANY SATELLITES ARE NONGEOSTATIONARY, REPORT ITS INCLINATION ANGLE, APOGEE IN KILOMETERS, PERIGEE IN KILOMETERS, ORBITAL PERIOD IN HOURS AND FRACTIONS OF HOURS IN DECIMAL, THE NUMBER OF SATELLITES IN THE SYSTEM

   Planned Orbit:
   Apogee – 500 km
   Perigee - 800 km
   Inclination - 75 deg
   Period: - 97.728 min
   # of Satellites: 1

   b) THE SATELLITE TRANSMITTER ANTENNA GAIN AND BEAMWIDTH
   Antenna Gain – 2.2 dBi
   Beamwidth – 156.2 deg

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

   Earth Coverage

3. 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,

   Antenna gain - 18.9 dBi
   Beamwidth – 21 deg
   Site Elevation – 286 m
   Antenna Height – 20 m

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

   Receiver azimuth – 360 deg
   Min Angle of Elevation – V10

5. 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 J
RAP01 T