

FORM 442, TECHNICAL INFORMATION QUESTION 4, DIRECTIONAL ANTENNA

The directional antenna will have a beam width of 42° at half power.

The antenna is not fixed. It is steerable on an elevation-over-azimuth mount. It will be operated over the full azimuth range of 0 to 360 degrees referenced to true north, and over elevation angles in the range of 10 to 90 degrees referenced to the local horizon. The orientation will change as a function of each pass of the satellite. The antenna will follow the path of the satellite from AOS to LOS.