

MiniSAR – Description of Antenna Operation

The MiniSAR antenna will be mounted underneath an aircraft on a gimbal that will allow it to move 330 degrees in azimuth and 0 to 90 degrees in elevation. This allows the antenna to directionally radiate in a near hemispherical range. However, the antenna will only radiate an area covered by a beamwidth of 7 degrees in both the azimuth and elevation. The antenna will be moving while radiating to remain on the particular area of interest, whether the area of interest moves or not.

