

The directional antenna used at the Penn State Student Space Programs Lab is a twelve foot parabolic reflector. It is capable of 360 degree azimuth rotation, and 180 degrees of elevation rotation. The half power beamwidth of the antenna is 11.782 degrees. Peak EIRP of the antenna will be 66.379 dBm. The antenna will not extend more than 6 meters above the building upon which it is mounted. There is a control tower on the same building extending 3m above the antenna.

