

Directional Antenna Information for Fixed/Base Antenna
located at Washington University

This antenna is a steerable circular polarized Yagi antenna. It has a half-power beamwidth of 21 degrees (circular), with front-to-back dropoff of 25 dB. All side lobes are at least 18 dB below the peak gain.

Since this antenna is used for satellite communications, the beam can be pointed in any orientation above the horizon. However, because of practical restrictions in closing the link at the horizon, the antenna beam will not be pointed below 10 degrees elevation.