

ANTENNA REGISTRATION QUESTION 4: DIRECTIONAL ANTENNA INFORMATION

Our ground antenna is a directional helical antenna in the 440MHz range. The radio is a Baofeng UV-5R using an automatic satellite tracking motor with the SatNOGS design (satnogs.org). We will be tracking our Satellite horizon-to-horizon using a helical antenna for uplink and downlink in the 440MHz range.

The horizontal orientation is 0-360 °, the vertical orientation is 10-90°. The width of beam at the $\frac{1}{2}$ power point is 36.806 °.