

Cal Poly
Spinnaker3
Directional Antenna

This application describes the directional antenna on the ground which transmits data to and receives data from the satellite on orbit. The positioning motors are capable of effectively pointing the antennas to 0-360° in azimuth (N-E-S-W-N) and 0-90° in elevation (from horizon to zenith). The antenna has a half power, full width beam spread of approximately 21°. See Figure 1 below for the standard directional antenna configuration.



Figure 1: Example of directional antenna

If there are any questions, please contact:

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