

FCC Antenna licensing exhibit: directional antenna orientation.

Since the objective of this antenna is to establish communication between a cubesat in Low Earth Orbit (408Km) and the ground station, the Antenna needs to change its azimuth and altitude in order to track the satellite as it passes overhead, as shown in the diagram.

The mount has capabilities of ranging between 0 and 360 degrees from True North, and between 0 and 90 degrees from the horizontal plane, covering the entirety of the sky above the antenna.

