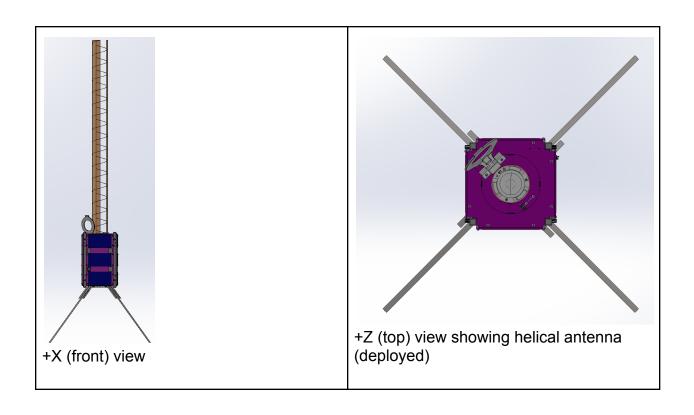
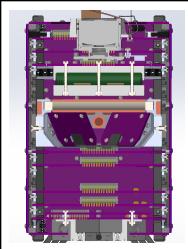
## OreSat0.5 Structure

2021-12-19

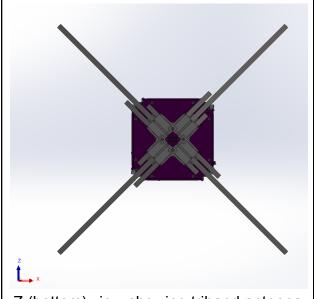
OreSat0 is a 2U CubeSat that meets the requirements of the CubeSat Developers Specification (CDS) Rev 13. The frames hold 8 independent printed circuit board "cards". Solar panels are attached on the four outer sides of the frames.

A deployable tri-band (UHF, L band, and L1 band) turnstile antenna is mounted on the -Z face, made of four individual tri-band antenna elements at an angle of 15 degrees from the -Z face and with a length of 220 mm each. A helical antenna mounted to the +Z face with a diameter of 40 mm and an approximate deployed length of 608 mm with 15 turns. For more information, please see <a href="https://github.com/oresat/oresat-structure">https://github.com/oresat/oresat-structure</a>





+x (front) view showing card and backplane



-Z (bottom) view showing triband antenna

## **Exploded View**

