

FCC Code Part 5, subsection 63e questions:
Revision 4-18-08

- (1) The AeroCube-3 satellite will not release any debris into space. Its orbit is low enough (275 miles) that it is predicted to re-enter in 1.5 years (see separate exhibit "AC3 Testbed orbit lifetime").
- (2) The AeroCube-3 satellite does not have any items that can explode. The surface coatings of the satellite are chosen such that all the components are at room temperature $\pm 25^{\circ}\text{C}$.
- (3) The AeroCube-3 satellite does not have any propulsion for station keeping. It will be deposited into an orbit by the launch provider and will decay from there until it re-enters.
- (4) The AeroCube-3 will re-enter in 1.5 years per analysis. A de-orbit balloon may be intentionally deployed and that will speed re-entry to approximately 1 month. See separate exhibit "AC3 Testbed orbit lifetime." The AeroCube-3 satellite weighs 1 kg and its main structural element is a 4x4x4 inch aluminum shell. It is predicted to burn up during re-entry.