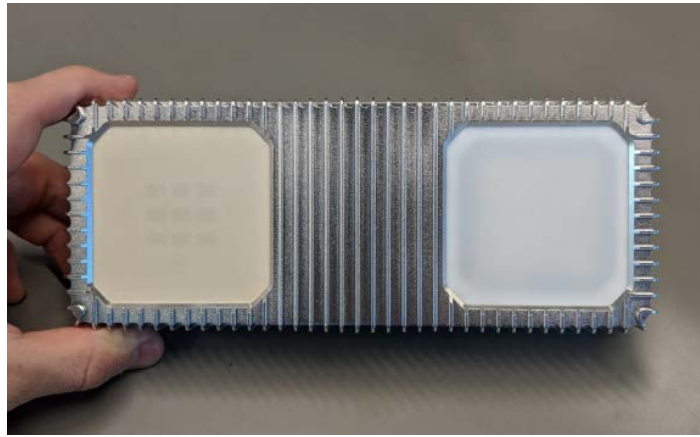


## Description of Testing

We would like to test some radar units made by Fortem Technologies, shown in Figure 1.



**Figure 1.** Radar units made by Fortem Technologies.

In order to test them, we would like to mount a few of them on a drone as shown in Figure 2. The total weight of the drone assembly is < 65lbs.



**Figure 2.** Three radar units mounted on a drone for testing.

During the testing, we would like to fly the drone shown in the figure to an altitude less than 400 ft and monitor the signal from the radar units while a smaller drone (e.g., a DJI Phantom 4) is flown near/around the radar units. This flight testing would only last for ~1hr each test day, and would only be performed at the locations mentioned in the application (POC's facilities in Torrance, CA or the El Dorado drone park in Long Beach, CA).