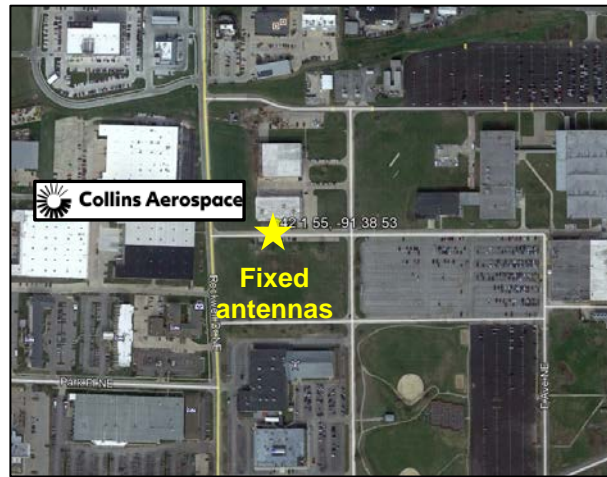
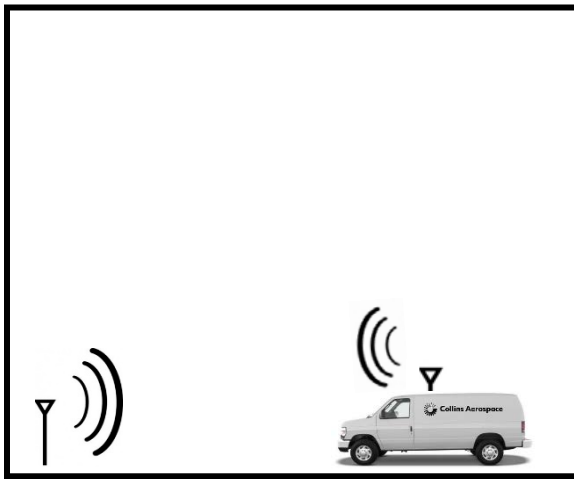


## DESCRIPTION OF EXPERIMENT

Rockwell Collins, Inc., a part of Collins Aerospace (“Collins”) is developing radio technology for directional communications between aircraft and ground stations and needs to conduct experiments for both independent research and development work (“IRAD”) and a U.S. government contract for the Air Force Research Laboratory (“AFRL”). Collins will perform various ground-to-ground, air-to-ground, and air-to-air experiments in support of these efforts.

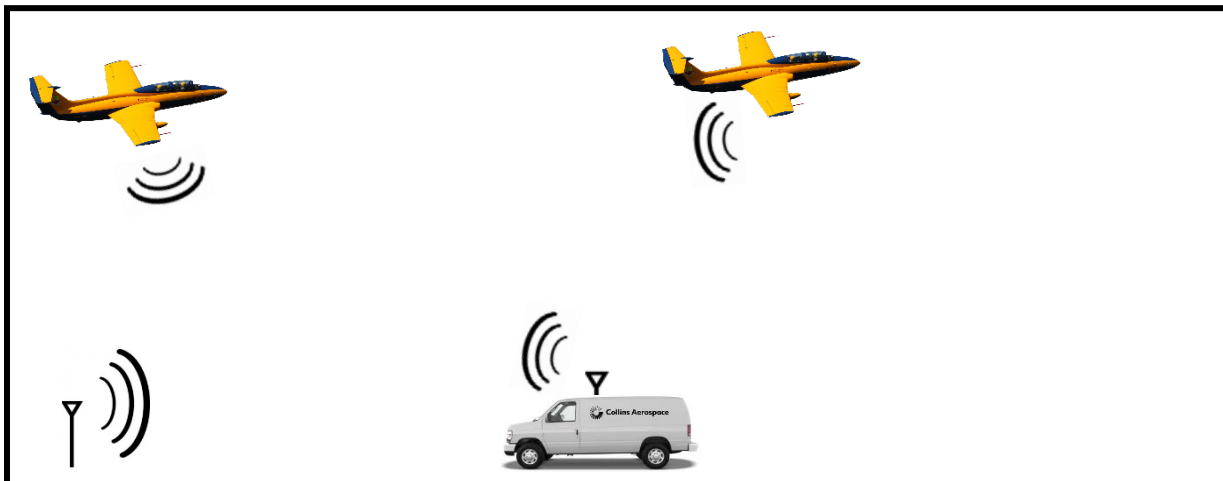
### Ground to Ground Testing (Cedar Rapids, IA)

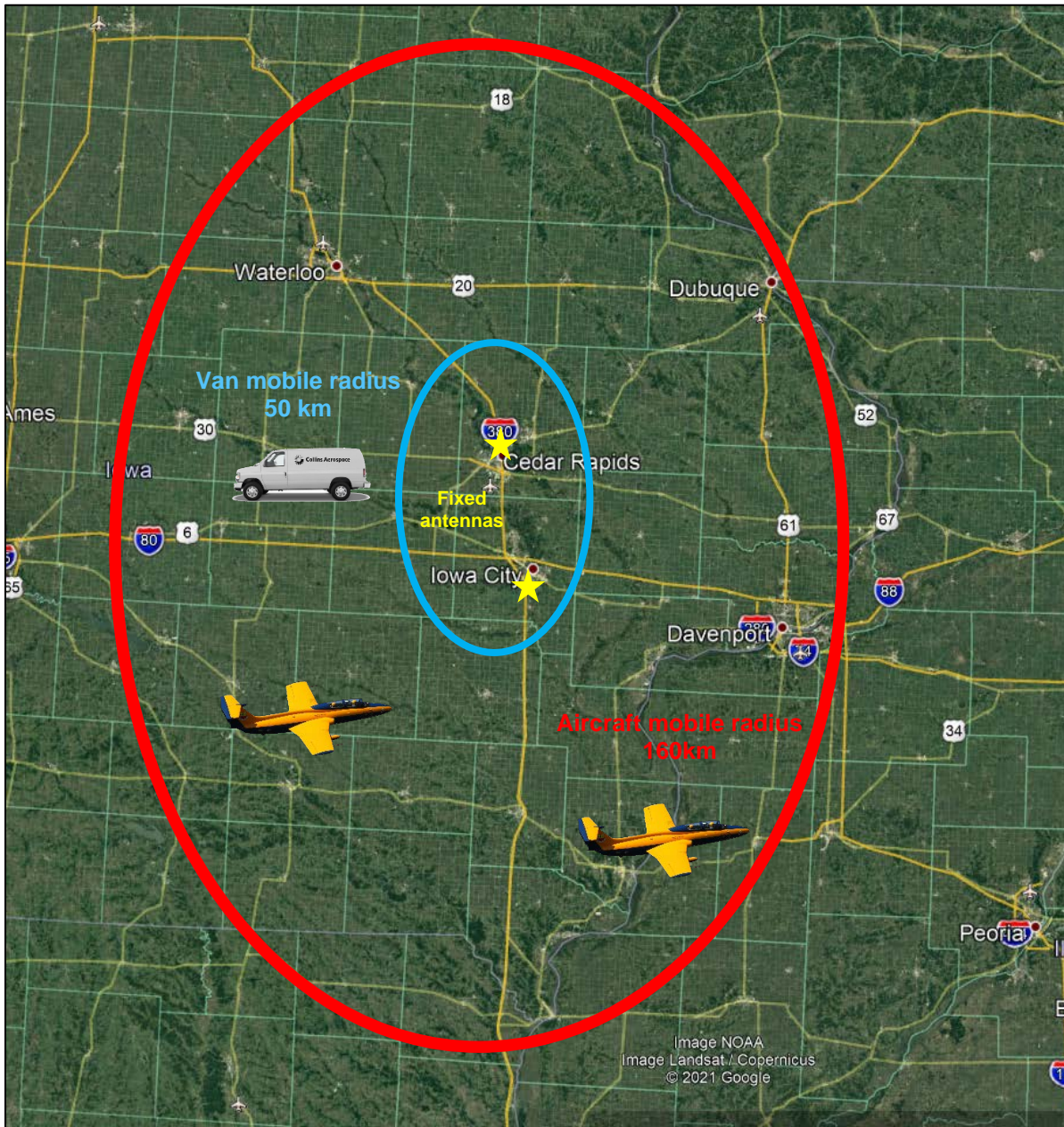
Collins will perform short-range testing between temporary fixed antennas and equipment mounted on mobile vans. Testing will occur within the Collins property located at 5145 Rockwell Drive NE and up to a distance of approximately 5 km.



### Air to Ground and Air to Air Tests (Cedar Rapids, IA and Iowa City, IA)

Collins will perform various air-to-ground tests from temporary fixed antennas at Cedar Rapids and Iowa City, mobile vans traveling within and between these locations (50 km radius), and aircraft based out of the Iowa City Airport (160 km radius). Collins will also conduct air-to-air tests in this area. Aircraft altitude will not exceed 20,000 feet AGL, and air-to-air power levels will not exceed 3.05W (7dBW EIRP).





Collins respectfully requests a license period of sixty (60) months to cover the product development and testing periods. Collins anticipates performing multiple tests over this period of time using various types of antennas described in Exhibit 2.

The stop buzzer point of contact is:

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