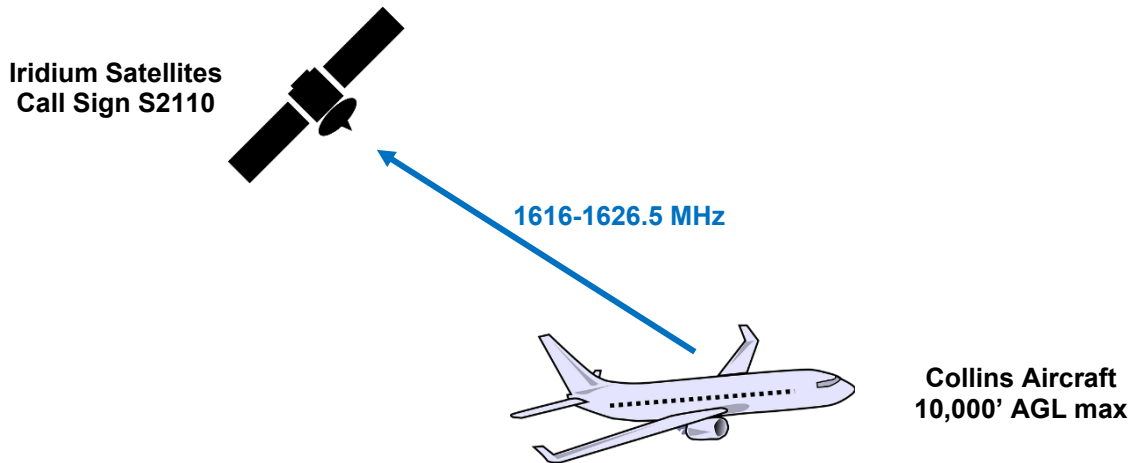


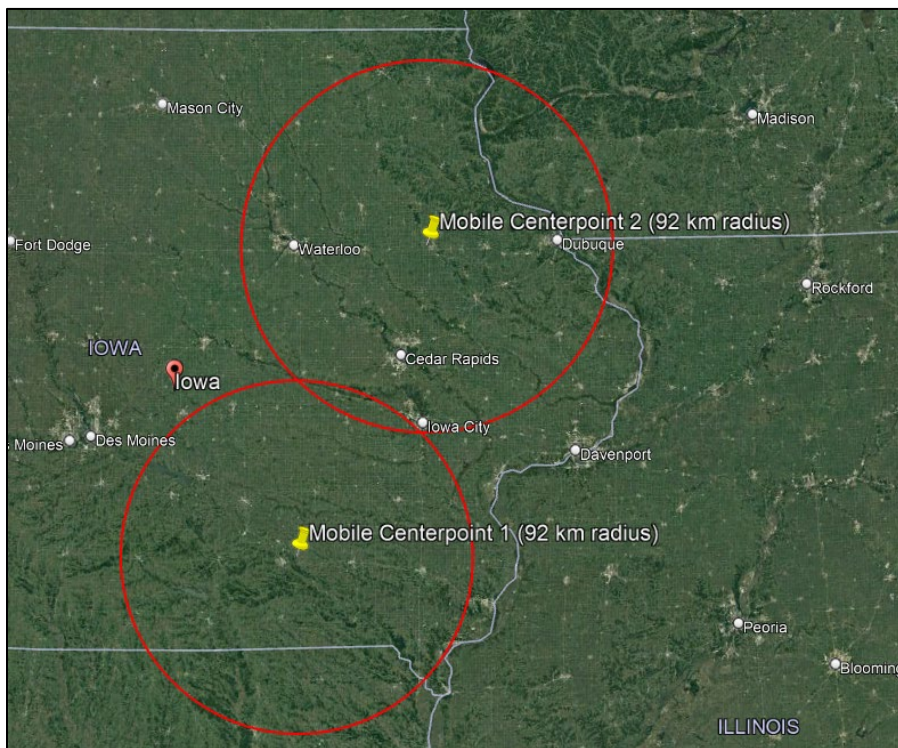
## EXHIBIT 1 DESCRIPTION OF EXPERIMENT

Rockwell Collins, Inc., a Raytheon Technologies company, proposes to perform a series of proof-of-concept air-to-satellite experiments of its Iridium satellite data unit IRT-4000 using its HGA-4000 high-gain antenna and (possibly) its LGA-4000 low-gain antenna.

The antennas will be mounted on a single manned aircraft flying within the two (2) proposed mobile areas. The aircraft will transmit to the Iridium satellite network (Call Sign S2110), and Collins will pay Iridium network fees. Only the one-way aircraft-to-satellite transmissions are the subject of this request for special temporary authority.



The aircraft's maximum altitude will be 10,000 feet AGL. Test duration will be approximately three (3) hours per flight.



The proof-of-concept testing will occur over a period not to exceed six (6) months. If the experiments are successful, Collins will apply for a conventional experimental license.

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