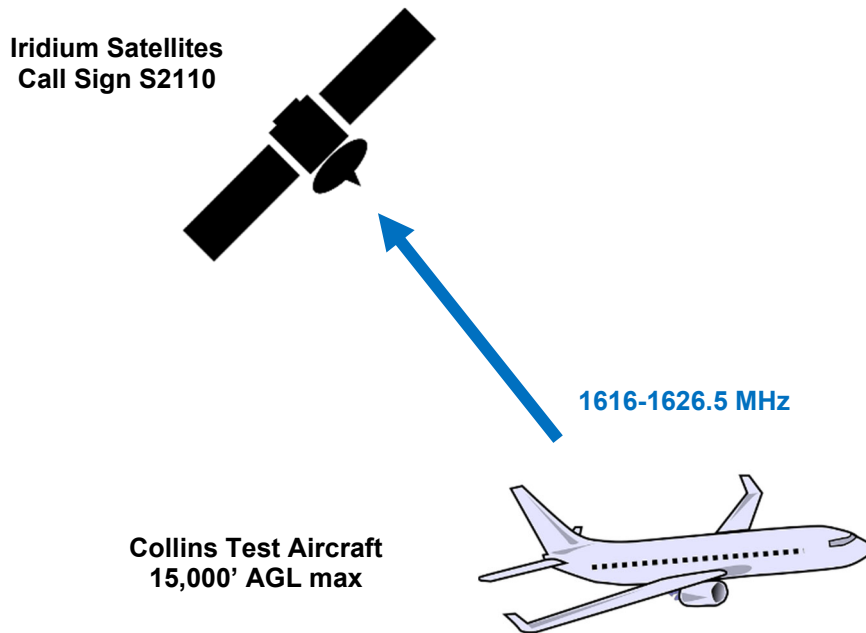


**EXHIBIT 1
DESCRIPTION OF MODIFICATION**

Rockwell Collins, Inc., a Raytheon Technologies company, proposes to modify WK2XMT by adding a nationwide mobile aircraft station to permit aircraft-to-satellite experiments of its Iridium satellite data unit IRT-4000 using its HGA-4000 high-gain antenna and its LGA-4000 low-gain antenna.

Collins has already been performing part of this testing in Iowa under special temporary authorization WT9XAG, and now proposes to expand this testing to nationwide operations.

The antennas will be mounted on manned aircraft that 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 experiment. The aircrafts' maximum altitude will be 15,000 feet AGL.



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