

EXHIBIT 1 DESCRIPTION OF EXPERIMENT

Rockwell Collins, Inc. d/b/a Collins Aerospace—a Raytheon Technologies company—proposes a long-term research program to test its OneWeb communications system in 3 locations.

The tests will involve various fixed tripod-mounted antennas communicating with van-mounted antennas. The tripod-mounted antennas will generally operate from Collins Aerospace campuses in Cedar Rapids, IA; Melbourne, FL; and Columbia, MD; although other locations within the mobile radii may be utilized. All transmissions will be ground-to-ground, and there will be no satellite communications.

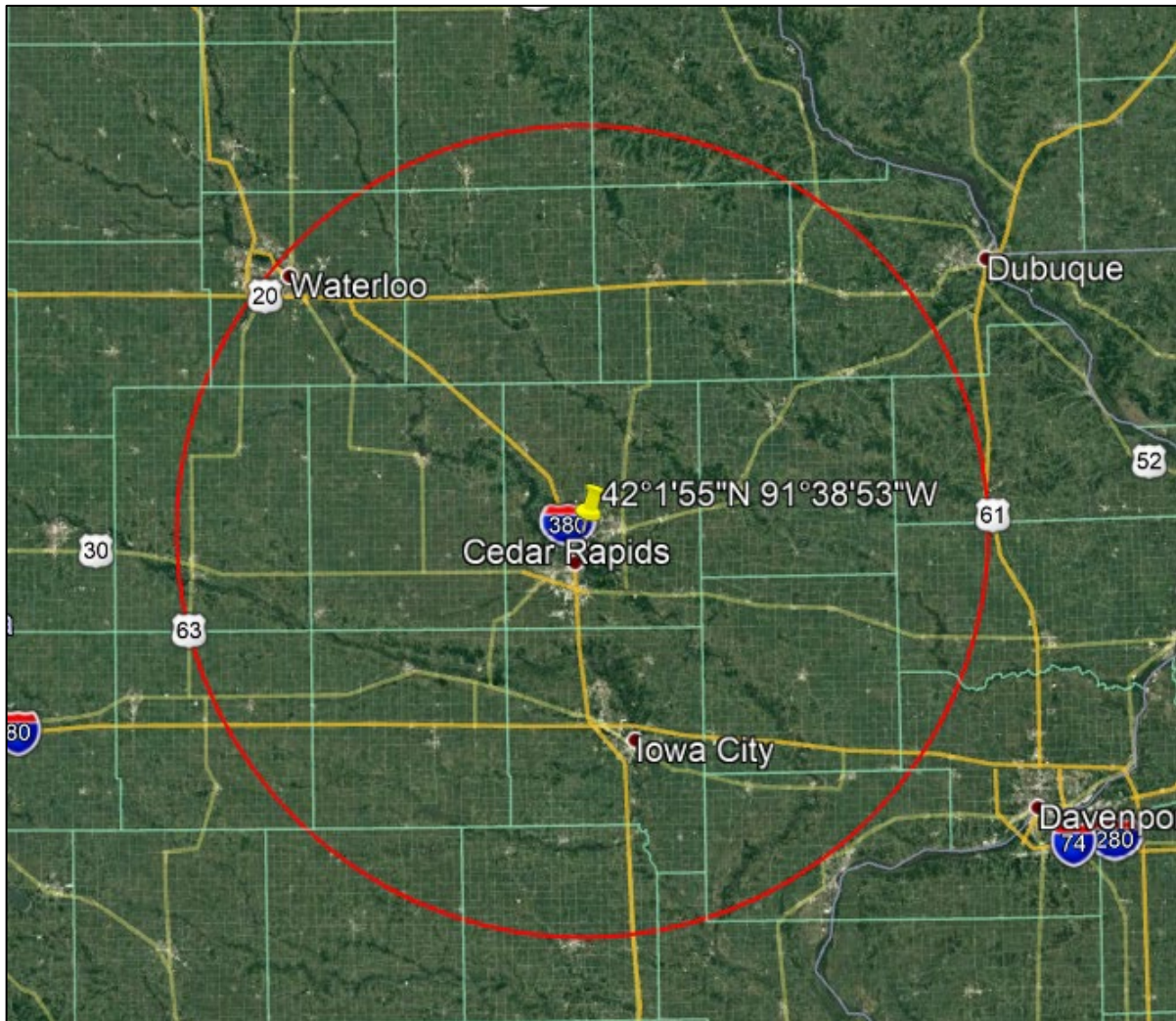


A 5-year license is requested because multiple experiments will be performed over the course of several years. This proposed license will supersede WS9XOQ upon grant.

The stop buzzer point of contact is:

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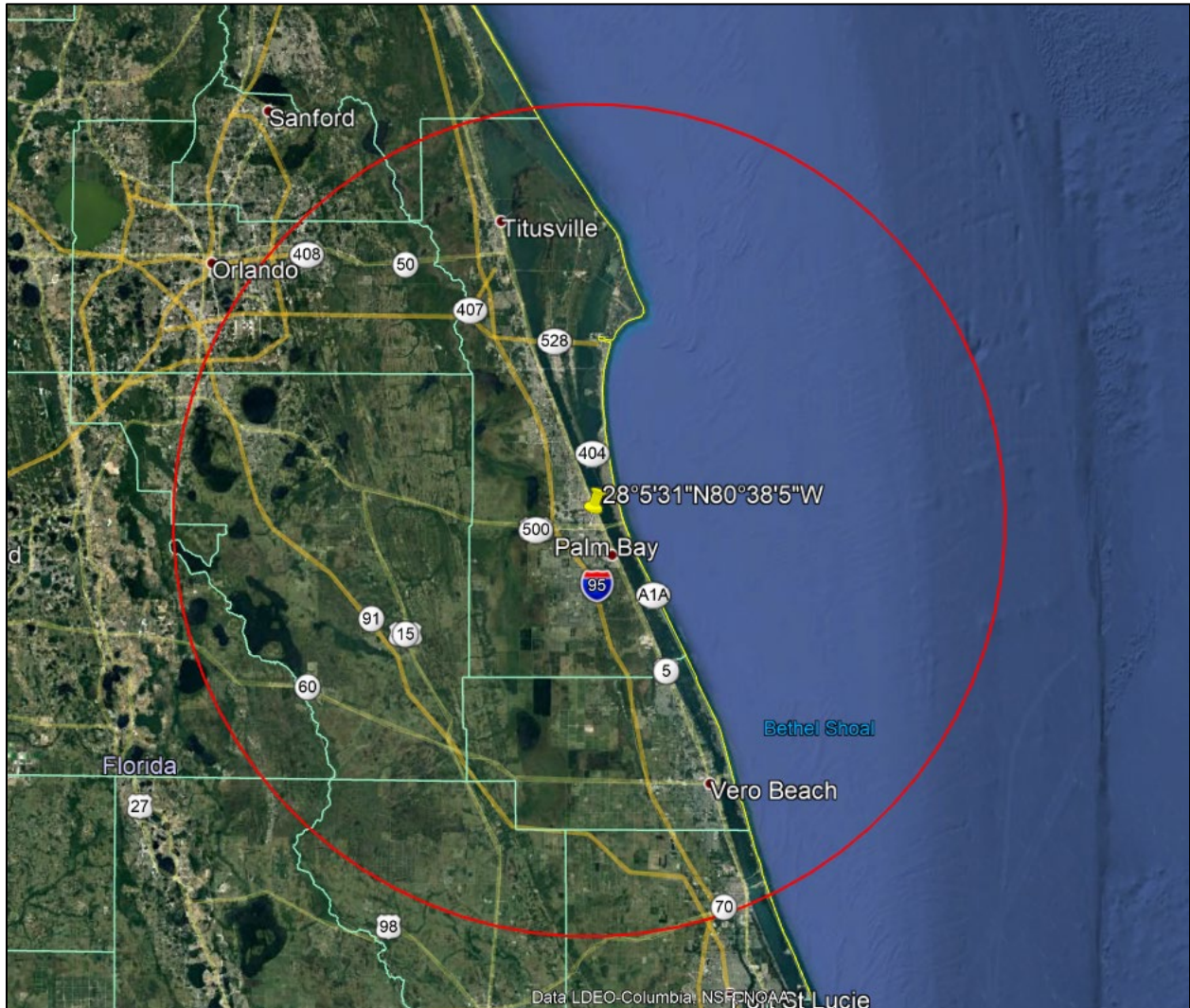
Cedar Rapids, IA Test Site
80 km mobile radius



Tripod location will generally be fixed at the Collins Aerospace facility located at 400 Collins Road NE, Cedar Rapids, IA (yellow pushpin in center of radius circle).

Antennas Used	Mounting	Frequencies	Emission Designators
OneWeb	Tripod & Van	14 – 14.5 GHz	20M0D1D 0H00N0N
Penn Horn	Tripod & Van	10 – 10.6 GHz 10.7 – 15 GHz	250MD1D

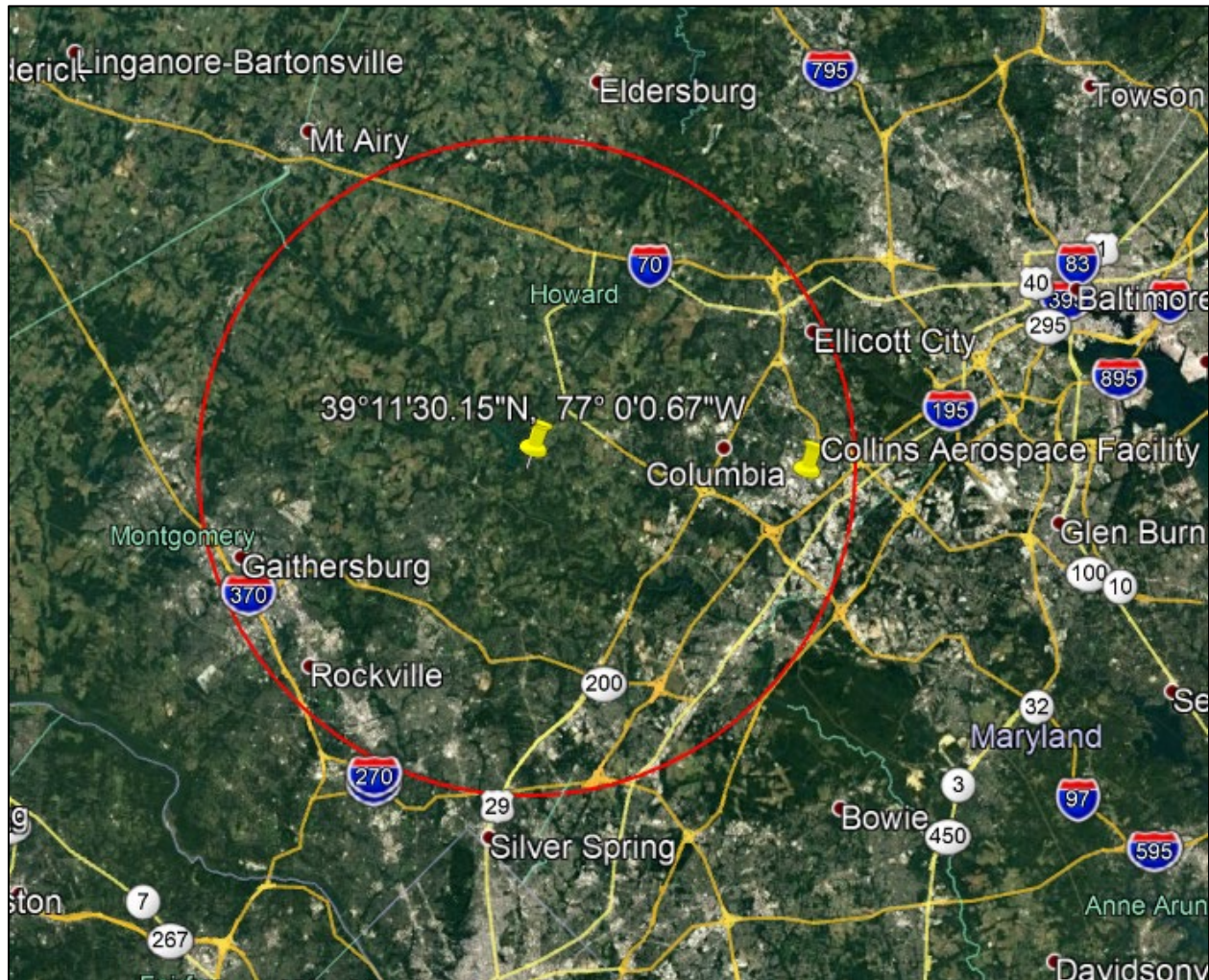
Melbourne, FL Test Site
80 km mobile radius



Tripod location will generally be fixed at the Collins Aerospace facility located at 795 W NASA Boulevard, Melbourne, FL (yellow pushpin in center of radius circle).

Antennas Used	Mounting	Frequencies	Emission Designators
OneWeb	Tripod & Van	14 – 14.5 GHz	20M0D1D 0H00N0N
Penn Horn	Tripod & Van	10 – 10.6 GHz 10.7 – 15 GHz	250MD1D
NSI Horn	Tripod & Van	10.7 – 12.7 GHz	250MD1D

Columbia, MD Test Site 20 km mobile radius



Tripod location will generally be fixed at the Collins Aerospace facility located at 7100 Columbia Gateway Dr., Columbia, MD (yellow pushpin on right side of radius circle).

Antennas Used	Mounting	Frequencies	Emission Designators
OneWeb	Tripod & Van	14 – 14.5 GHz	20M0D1D 0H00N0N
Penn Horn	Tripod & Van	10 – 10.6 GHz 10.7 – 15 GHz	250MD1D