

## FCC Application for Experimental License

File Number: 0654-EX-CN-2019

### Information on Experiment

#### Purpose of Experiment

SRC respectfully requests to the Federal Communications Commission to grant us an Experimental License for the operation of the X Band GMTI Radar for the purpose of testing GMTI performance of a prototype radar. The period of time SRC will be requesting our Experimental License is from 9/15/2019 through 9/15/2021.

#### Operating Location

The X Band GMTI Radar will be operated in two configurations within the 40 km radius of operation:

##### **Ground based experiments:**

For ground based experiments, the radar will be operated at ground level from a tripod 2 meters above ground level.

##### **Airborne based experiments**

Experiments conducted on aircraft will be performed at a height of 1500 meters above ground level.

The geographic center of operation that SRC will use is:

Location	Latitude	Longitude	Radius of Operation (kilometers)	Maximum Not to Exceed Aircraft Altitude (meters)
<b>Syracuse, N.Y.</b>	43° 07' 44" N	76° 05' 03" W	40 km	2438 m
<b>Logan, UT</b>	41° 44' 09" N	111° 51' 36" W	40 km	2438 m
<b>Grantsville, UT</b>	40° 59' 12" N	112° 59' 11" W	40 km	1500 m