

## FCC Application for Experimental License

File Number: File Number: 0015-EX-PL-2013

### 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 7/1/2013 through 7/1/2015.

#### 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:

Latitude	Longitude	Ground Elevation (Above mean Sea Level) (meters)	Radius of Operation (kilometers)	Maximum Aircraft Altitude (meters)
43° 07' 44" N	76° 05' 03" W	120 m	40 km	1500 m