

FCC Application for Experimental License

File Number: 0099-EX-ST-2016

Exhibit 1: Information on Experiment

Purpose of Experiment

SRC respectfully requests the Federal Communications Commission to grant us an Experimental STA License for the operation of an airborne 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 STA is from 4/25/2016 through 5/25/2016.

Operating Location

The X Band GMTI Radar will be operated on an aircraft 2438.4 meters above ground level within the 20 km (12.43 mi) radius of operation. The coordinates SRC will use for the center of operation are:

Location	Latitude	Longitude	Elevation (Above mean Sea Level)	Radius of Operation
Bay Island, VA	36° 55' 27"N	76° 0' 8"W	2438.4 (8000 ft)	20 km
Williamsburg, VA	37° 17' 17"N	76° 36' 25"W	2438.4 m (8000ft)	20 km

Cease Buzzer Point of Contact

SRC understands that operation will be on a secondary non-interference basis. In the event interference complaints were to occur, SRC has taken preventative measures to cease and desist from transmission until they can be resolved. SRC has established a Cease Buzzer point of contact to quickly react with any interference complaints that are the result of our system. The point of contact for the SRC Cease Buzzer is:

Point of Contact	Telephone Number
Cease Buzzer (Primary)	315-559-0787
Cease Buzzer (Secondary)	202-577-1708