

FCC Application for Experimental STA

File Number: 0083-EX-ST-2015

Exhibit 1: Information on STA Request**Purpose of Experiment**

SRC respectfully requests to the Federal Communications Commission to grant us an Experimental STA License for the operation of one SRHawk (SRC-3554) radar at Huntsville, AL. The purpose of our request is to test and evaluate radar performance.

SRC-3554 Frequency Requirements

The SRHawk radar requires only one frequency within the 16.21-16.5 GHz operating band of the system to operate.

Operating Location

The SRHawk radar will be operated from a tripod 7 ft. above ground at a fixed location within the radius of operation. The coordinates SRC Inc. will use are:

Location	Latitude	Longitude	Elevation (Above mean Sea Level)	Radius of Operation
Huntsville, AL	34°38'42"N	86°42'2"W	588 ft.	30 km

Operating Schedule

SRC will operate the SRC-3554 Radar intermittently Up to 8 hours per day over the requested five day period of February 9 through February 13, 2015 for the Experimental STA grant.

Interference Mitigation

The SRC-3554 radar can blank transmissions from 0 and 360 degrees in azimuth if necessary to protect other services that may be operating.

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)	256-876-0861
Cease Buzzer (Secondary)	256-876-0863
Cease Buzzer (Tertiary)	256-684-7006