

FCC Application for Experimental License STA

File Number: 0499-EX-ST-2014

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

SRC respectfully requests to the Federal Communications Commission to grant us an Experimental License for the operation of one BSTAR™ V3 Avian Surveillance and Warning System Radar for the purpose of waveform development for avian detection in a marsh area.

SRC Inc further understands that modifications to the US table of frequency allocations will be necessary before this system can be sold to non-Federal Government entities.

SRC is also utilizing the SRC-3554 Radar for the same purpose which operates in the frequency range 16.21-16.5 GHz.

System	Power Output/ERP Peak	Frequency
BSTAR V3	2560 W 123.90 kW	1385 MHz (Pre-Coordinated with FAA)
SRC-3554	10 W 9.332 kW	16.21-16.5 GHz

Duration of Experiment

The period of time SRC will be requesting our Experimental License is five months; between the period of 06/16/2014 through 11/30/2014. The operating schedule is up to 24 hours per day.

Operating Location

The BSTAR and SRC-3554 radars will be operated within our 5 km radius of operation. Both radars will be operated from a tripod 2 meters above ground.

The coordinates SRC will use during our experiment are centered at:

Location	Latitude	Longitude	Elevation (Above mean Sea Level)	Radius of Operation
Hooper, UT	41°12'28"N	112°31'41"W	4200 ft.	5 km

Cease Buzzer for Experiment

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
Primary Cease Buzzer	(315)-452-8114