

**FCC Application for Experimental STA**

File Number: 1067-EX-ST-2015

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

SRC is requesting an Experimental Special Temporary Authorization for the purpose of radar testing in a rural environment. Our requested dates are for a period ranging from October 21, 2015 – October 24, 2015.

**Locations**

SRC will be operating up to one (1) SRC-3554 Radar between the following location:

| Location        | Latitude/Longitude              | Radius of Operation | Number of Radars |
|-----------------|---------------------------------|---------------------|------------------|
| Garden City, ID | 43°36'56.00"N<br>116°15'41.00"W | 10 km               | 1                |

**SRC-3554 Frequency Requirements**

A single SRHawk (SRC-3554) radar requires only one frequency within the 16.21-16.5 GHz operating band of the system to operate. Our experiment will utilize:

| Location          | Number of Radars to be used (up to) | Number of Frequencies used per Radar | Total Frequencies needed for Experimental STA |
|-------------------|-------------------------------------|--------------------------------------|-----------------------------------------------|
| Crows Landing, CA | 1                                   | 1                                    | 1                                             |

**Operating Schedule**

The operating schedule SRC will use for the SRC-3554 Radar during the course of the Experimental STA grant is:

| Schedule Times                    | Date                                  |
|-----------------------------------|---------------------------------------|
| Start Date of Experiment          | November 16, 2015                     |
| Stop Date of Experiment           | November 20, 2015                     |
| Daily Operation during Experiment | Intermittently Up to 24 hours per day |

**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: (315) 436-6711<br>Secondary: (315)-452-8114 |