

**FCC Application for Experimental License STA**

File Number: 0885-EX-ST-2015

**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 three SRC-1494 V2 Radars. The purpose of our request is conducting airspace integration testing.

*The operation of these radars are limited to experimental purpose. They are not to be used for separation of aircraft (including UAS), UAS detect and avoid, or air traffic control purposes. Further usage will require system review by an appropriate Federal sponsor and NTIA.*

The period of time SRC will be requesting our Experimental STA is for a period of six months, September 1, 2014 through February, 1 2016. The radar will be operated during normal duty hours and weather permitting.

**Operating Location**

The SRC-1494 V2 radars will be operated from a tripod 7 ft. above ground at a fixed location within the radius of operation. The coordinates SRC will use are:

| Location          | Latitude   | Longitude  | Elevation<br>(Above mean<br>Sea Level) | Radius of<br>Operation |
|-------------------|------------|------------|----------------------------------------|------------------------|
| Port Mansfield TX | 26°33'45"N | 97°26'40"W | 5 ft.                                  | 3 km                   |

**Operating Schedule**

SRC will operate the SRC Experimental Transmitter on the following schedule over the period of the Experimental License grant:

| Schedule      | Operations                           |
|---------------|--------------------------------------|
| Hours per day | Intermittently up to 8 hours per day |

**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 |
|------------------------|------------------|
| Cease Buzzer (Primary) | (315)-452-8114   |