

FCC Application for Experimental License

File Number: 0850-EX-CN-2017

Exhibit 1: Project Information**Purpose**

SRC respectfully requests to the Federal Communications Commission to grant us an Experimental License for the purpose of conducting interoperability tests on military radios in support of a government contract.

Requested Period for Experimental License

SRC is requesting a one year period Decmber 15 2017 through December 15 2019. Operation over this period will be intermittent and during normal work hours Monday through Friday.

Frequency Requirements for Experimental License

SRC will require the use of the following frequency resources for the purpose of the Experimental License request:

Frequency Band	Number of frequencies	Channel Bandwidth
420-450 MHz	10	5 MHz
1250-1390 MHz*	1	5 MHz
1755-1850 MHz	10	5 MHz

SRC is requesting 50 MHz of spectrum to conduct experiments in each of the above frequency bands. We are requesting the Commission assign a band where interference to incumbent services will be minimized.

Frequencies within the band 1250-1390 MHz have been pre-coordinated with the FAA and are presented in Exhibit 3 FAA NGT Coordination.

Operating Location

The radar will be operated 7 ft above ground. The coordinates SRC will use are:

Location	Latitude	Longitude	Elevation (Above mean Sea Level)	Radius of Operation
Syracuse NY	43° 07' 44" N	76° 05' 03" W	400 ft	1 KM

Cease Buzzer Point of Contact

SRC is aware that there are other services that utilize the spectrum in which our system is capable of operating. 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
Secondary Cease Buzzer	(315)-452-8114