FCC Application for Experimental License

File Number: 0072-EX-CM-2018

Exhibit : Additional Locations

Purpose of Experimental STA Request

SRC Inc., is requesting the modification of our existing Experimental License WI12XBU File: 0004-EX-CR-20108 for the purpose of research, testing and development of an FR25 radar.

The dates required for our experimental request is from May 29, 2018 through July 31, 2018.

SRC FR25 Specifications

The SRC FR25 Radar specifications are presented in the table below:

Specification	**Value**
Frequency Band	**420-450 MHz**
Average Power Output	**105 watts**
Antenna Gain	**7 dB**
ERP	**320.9 Watts**
Antenna Beam width	**60 Degrees (V/H)**
Directional	**Yes**
Steerable	**Mechanical (0-360 Degrees)**
Antenna Orientation during transmissions	**Fixed**
Emission Designator	**29M7Q3N**
Modulation	**LFM**
Number of Frequencies Required	**1**

Locations

SRC requests the Commission to add the following locations to our existing license. One radar will be operating intermittently at any given location:

Location	Latitude/Longitude	Radius of Operation	Number of Radars
Tullahoma, TN	35°23′33″N 086°05′09″W	**19 km**	1
Huntsville AL	34°41′03″N 86°39′15″W	**25 km**	
Lakehurst NJ	40°00′56″N 074°35′30″W	**19 km**	

Operating Schedule

The operating schedule SRC will use for the SRC-FR25 Radar during the course of the Experimental License grant is:

Schedule Times	Date
Daily Operation during Experiment	Week days
Operating time	8AM-5PM
Transmitting time	Intermittent

Interference Mitigation

All transmissions will be conducted with the FR25 radar will be from static location. The antenna will be stationary and pointing in one direction. The SRC FR25 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
Primary	(315) 883-4449
Secondary	(315) 452-8114