

FCC Application for Experimental License STA
File Number: 0513-EX-PL-2016

Exhibit 1: Information on Experiment

Purpose of Experiment

Gryphon LLC respectfully requests to the Federal Communications Commission to grant us an Experimental License for the operation of one EXB Radar. The purpose of our request is conducting detection in a coastal area.

The period of time Gryphon will be requesting our Experimental License is for one year over the period of September 1, 2016 through August 31, 2017. The radar will be operated intermittently during this period up to a period of several days of operation at a stretch. Transmissions will pulsed during operation.

The experiment is in support of the Federal Aviation Administration Pathfinder program to evaluate surveillance technology to detect small airborne targets in an airport environment. The Contract number this program is being performed under is 16-CRDA-0329 and the point of contact at FAA is Elizabeth Soltys (elizabeth.solytys@faa.gov).

Operating Locations

The EXB Radar will be operated from a tripod 2 meters above ground at a fixed location within the radius of operation. The coordinates Gryphon will use are:

Location	Latitude	Longitude	Radius of Operation
Dallas Ft. Worth APT, TX	32°52'33"N	97°03'14"W	12 km
Griffiss Business Park, Rome, N.Y.	43°13'52"N	75°23'57"W	10 km
Gryphon Rooftop	43°07'43"N	76°05'03"W	5 km

Operating Schedule

Gryphon will operate the EXB Radar on the following schedule over the period of the Experimental License grant:

Schedule	Operations
Hours per day	Intermittently throughout the day

STOP Buzzer for Experiment

Gryphon understands that operation will be on a secondary non-interference basis. In the event interference complaints were to occur, Gryphon has taken preventative measures to cease and desist from transmission until they can be resolved. Gryphon has established a Stop Buzzer point of contact to quickly react with any interference complaints that are the result of our system. The point of contact for the Stop Buzzer is:

Point of Contact	Telephone Number
Stop Buzzer (Primary)	(315) 560-3968

