

FCC Application for Experimental License STA

Current File Number: 0044-EX-CM-2017

Original File Number: 0513-EX-PL-2016

Call Sign: WI2XNK

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 up to 5 EXB Radars. 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 October 17, 2016 through November 1, 2018. The radar will be operated intermittently during this period up to a period of several days of operation at a stretch. Transmissions will be 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 and the Unmanned Secure Autonomous Flight Environment (U-SAFE) Surveillance Corridor project. The FAA Pathfinder contract is being performed under contract number 16-CRDA-0329 and the point of contact at FAA is Elizabeth Soltys (elizabeth.soltys@faa.gov). The U-SAFE project is designated ESD Project AB172 and is managed by Scott Lamkin (Scott.Lamkin@esd.ny.gov) of the Empire State Development Corporation for NY State.

Operating Locations

The EXB Radar will be operated from a tripod 2 meters above ground at a fixed location within the radius of operation for the following coordinates:

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

Locations added since prior filing:

Location	Latitude	Longitude	Radius of Operation
Oneida County NY DPW	43°09'02"N	75°22'24"W	10 km
Verona NY	43°08'44"N	75°34'29"W	15 km
Madison County NY Office Complex	43°04'49"N	75°42'21"W	10 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
(Secondary)	(315) 452-8674

Original Submission:

Form 442 Confirmation Number: **EL904414**

Form 442 File Number: **0513-EX-PL-2016**

Date of Submission: **July 26, 2016**

Current Submission:

Form 442 Confirmation Number: **EL345312**

Form 442 File Number: **0044-EX-CM-2017**

Date of Submission: **February 1, 2017**