

FCC Application for Experimental License STA

File Number: 0205-EX-CN-2016

Exhibit 1: Information on Experiment

Purpose of Experiment

Gryphon Sensors, LLC respectfully requests to the Federal Communications Commission to grant us a Nationwide Experimental License for the operation of up to twenty (20) EXB Radars. The purpose of our request is for radar testing and demonstration of the system in rural and urban environments.

The period of time Gryphon Sensors, LLC will be requesting our Experimental License is for two years over the period of January 1, 2017 through January 1, 2019. 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.

Operating Locations

The EXB Radar will be operated from a tripod 2 meters to 30 meters above ground at a fixed location within the radius of operation. Gryphon Sensors, LLC will be operating from a pool of up to twenty (20) EXB radars located at various sites throughout the U.S.

Location	Latitude	Longitude	Radius of Operation
Syracuse, N.Y.	43°07'43"N	76°05'03"W	80 km
All 50 States	North	West	United States

Operating Schedule

Gryphon Sensors, LLC 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

Frequency Requirements

A single EXB radar requires only one 5MHz frequency band within the 9.3 – 9.8 GHz operating band of the system to operate.

Interference Mitigation

The EXB radar can blank transmissions from 0 and 360 degrees in azimuth if necessary to protect other services that may be operating.

Coordination

Prior to transmitting with the EXB radar outside of the Syracuse, N.Y. radius of operation, Gryphon Sensors, LLC will agree to a coordination process as appropriate.

Cease Buzzer Point of Contact

Gryphon Sensors understands that operation will be on a secondary non-interference basis. In the event interference complaints were to occur, preventative measures to cease and desist from

transmission will be taken until they can be resolved. Cease Buzzer points of contact are listed below 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
Stop Buzzer (Secondary)	(315) 452-8674

Form 442 Confirmation Number: **EL764873**
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