

SkySafe, Inc.
Application for Experimental Special Temporary Authority
ELS File No. 1343-EX-ST-2023

NARRATIVE STATEMENT

Pursuant to Section 5.3(j) and Section 5.61 of the FCC's rules, SkySafe, Inc. hereby respectfully requests a special temporary authority ("STA") from July 10, 2023 to September 10, 2023 to operate in the 24.45-24.65 GHz band to test a deployment of the Echodyne EchoGuard radar.

A. Purpose of Operation and Need for Special Temporary Authority:

The EchoGuard radar, manufactured by Echodyne Corp., has received equipment authorization from the FCC (FCC ID 2ANLB-MESASSR00053). SkySafe, Inc. requests this STA to allow it to evaluate the radar as a component of its unmanned aerial vehicle detection system in conjunction with customers. The STA is for temporary market trial purposes only and not for permanent installation of the radars. The testing under this STA is related to radiolocation applications.

B. Location of Proposed Operation:

SkySafe proposes to test the radar at a fixed location within the area described below.

Location	Coordinates (NAD83)	Radius of Operation
Hartsville, TN	36° 21'05" N 86° 05' 29" W	5 km

C. Technical Specifications:

1. Frequencies Desired

SkySafe requests authorization to operate in the 24.45-24.65 GHz band.

2. Effective Radiated Power

The units to be deployed operate at a peak maximum transmitter power output of 3.2 W, and a peak maximum effective radiated power of 246W. Operations will be conducted to comply with rules relating to human exposure to radiation.

3. Modulation and Emissions

The EchoGuard radar operates using linear FM modulation. The emission designator is 45M0FXN. The emissions will not extend beyond the frequency bands requested.

4. Antenna Information

No antennas will be mounted in a fashion that would require approval under FAA or FCC rules and regulations.

5. Equipment To Be Used

SkySafe will conduct the testing with a maximum of 2 units.

D. Protection Against Causing Interference:

SkySafe has conducted a search of the FCC's Universal Licensing System database and determined that there are no licensed operations in the 24.45-24.65 GHz band. In the event that it receives a complaint of harmful interference from the proposed operation, SkySafe will take immediate action to address the interference. The company has designated Steve McQuade to act as the "stop buzzer" for this purpose.

E. Restrictions on Operation:

SkySafe recognizes that the operation of any equipment under experimental authority must not cause harmful interference to authorized facilities. Should interference occur, SkySafe will take immediate steps to resolve the interference, including discontinuing operations if necessary.

In addition, SkySafe will advise entities using the equipment that permission to operate has been granted under experimental authority issued to SkySafe, that such operation is strictly temporary, and that the equipment may not cause harmful interference.

F. Public Interest:

Grant of an authorization will permit SkySafe to refine its innovative drone detection system and to enhance public safety.

G. Contact Information:

For questions, please contact:

Mike Spindel
SkySafe, Inc.
9630 Aero Dr.
San Diego, CA 92123
(503) 592-0329
mike@skysafe.io

In the unlikely event interference concerns should arise during the period of authorization requested by this application, please contact the company's "Stop Buzzer" identified below:

Steve McQuade
9630 Aero Dr.
San Diego, CA 92123
(206) 499-3973
steve@skysafe.io