

NARRATIVE STATEMENT

Pursuant to Section 5.3 and Section 5.61 of the FCC’s rules, Epirus Inc. hereby respectfully requests a special temporary authority (“STA”) from August 17, 2026 to August 17, 2028, to operate in the 15.4-16.7GHz band to operate its radars.

A. Purpose of Operation and Need for Transmit License:

Fortem has received equipment authorization from the FCC for the R20 radar (FCC ID 2APIM-FTR20SKYD). However, Epirus requests this license to allow it to test the radar in specific scenarios. The license is for testing purposes only and not for permanent installation of radars. The testing under this license is related to radiolocation applications.

B. Location of Proposed Operation:

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

Location	Coordinates (NAD83)	Radius of Operation
Torrance, CA	33° 51' 21” -118° 18' 56”	3 km

C. Technical Specifications:

1. Frequencies Desired

Epirus requests authorization to operate in the 15.5-16.7 GHz.

2. Effective Radiated Power

The R20 units to be deployed operate at a mean transmitter power output of 2W, and a peak maximum effective radiated power of 19.3W. Operations will be conducted to comply with rules relating to human exposure to radiation.

3. Modulation and Emissions

The R20 radar operates using linear FM modulation. The primary emission designator is 180MQXN. 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

Epirus, Inc will conduct the testing with a maximum of 4 units.

D. Protection Against Causing Interference:

In the event that it receives a complaint of harmful interference from the proposed operation, Epirus will take immediate action to address the interference. The company has designated Roshan Daniel (contact information below) to act as the “stop buzzer” for this purpose.

E. Restrictions on Operation:

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

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

F. Public Interest:

Grant of an authorization will permit Epirus to demonstrate its innovative radar equipment and enhance public safety.

G. Contact Information:

For questions, or 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:

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