

Honeywell Aerospace
Application for Experimental Special Temporary Authority
ELS File No. 1266-EX-ST-2026

NARRATIVE STATEMENT

Pursuant to Section 5.3 and Section 5.61 of the FCC's rules, Honeywell Aerospace hereby respectfully requests a special temporary authority ("STA") from July 20th, 2026, to January 19th, 2027 to operate at the frequencies described below.

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

Honeywell will be demonstrating a Counter UAS (CUAS) system that includes the Blue Halo Titan3.7 and the Echodyne EchoShield radar for EXTiC 26-2 at a demonstration event scheduled for late July 2026 in Playas, New Mexico. The demonstration will take place at the Playas Research & Training Center. Honeywell requests this STA to allow it to demonstrate the system in specific scenarios in conjunction with the agency mentioned above. The STA is for demonstration purposes only and not for permanent installation of units. The demonstration under this STA is related to radiolocation applications.

B. Location of Proposed Operation:

Honeywell proposes to demonstrate the system at the Playas Research & Training Center. The GPS coordinates for this location are as shown below. Most of the demonstration will be conducted at a fixed location, but some On-The-Move (OTM) demonstration may occur as time permits. Any OTM scenarios will remain within the 5 km radius given below.

Location	Coordinates (NAD83)	Radius of Operation
Playas Research & Training Center Playas, New Mexico	31°56'10"N 108°32'38"W	5 km

C. Technical Specifications:

1. Frequencies of Operation

Honeywell requests authorization to operate the system at the following frequencies:

- 1) Operate the Titan3.7 unit in the 419 MHz to 455 MHz range, the 860 MHz to 935 MHz range, the 2.4 GHz to 2.5 GHz range, and the 5.725 GHz to 5.880 GHz range.
- 2) Operate the EchoShield radars in the 15.7 GHz to 16.55 GHz range.

2. Effective Radiated Power (ERP)

The Titan3.7 to be used in the demonstration operates at a mean transmitter power output of 54W, and a peak maximum effective radiated power of 216 W. The EchoShield radars to be used in the demonstration operate at a peak maximum transmitter power output of 180W, and a peak maximum effective radiated power of 55 KW. Operations will be conducted to comply with rules relating to human exposure to radiation.

3. Modulation and Emissions

The Titan3.7 unit operates using an unmodulated continuous waveform. The primary emission designator is 250MXXN. The emissions will not extend beyond the frequency bands requested. The EchoShield radar operates using pulsed linear frequency modulation. The primary emission designator is 57M6Q3N. 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

Honeywell will conduct the demonstration with a maximum of 2 units.

D. Protection Against Causing Interference:

If it receives a complaint of harmful interference from the proposed operation, Honeywell will take immediate action to address the interference. The company has designated Anup Hundiwal (contact information below) to act as the primary “stop buzzer” for this purpose. Additionally, the company has designated Brad Newton (contact information below) and Andrew Bluhm (contact information below) to act as a secondary “stop buzzer.”

E. Restrictions on Operation:

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

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

F. Public Interest:

Grant of authorization will permit Honeywell to demonstrate its Counter UAS system, which will ultimately protect public safety operations by law enforcement personnel.

G. Contact Information:

For questions, or in the event of interference concerns during the period of authorization requested by this application, contact the company’s “Stop Buzzer” identified below:

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Honeywell Aerospace
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Andrew Bluhm
RF Engineer
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