

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WA8XAE

(Call Sign)

XT MO

(Class of Station)

1137-EX-ST-2026

(File Number)

NAME Honeywell Aerospace

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Flight testing at low altitudes is required to validate the technical performance of obstacle detection, including relevant obstacle types, standoff-off distances, and approach geometries.

Station Locations

- (1) MOBILE: Plymouth, Minnesota, within 3.22 km, centered around NL 44-59-20; WL 93-25-48
- (2) MOBILE: Sun Valley Fliers RC Flying Field, Phoenix, Arizona, within 3.22 km, centered around NL 33-43-26; WL 112-01-04
- (3) MOBILE: Mesa Gateway Airport, Arizona, within 3.22 km, centered around NL 33-18-35; WL 111-39-24
- (4) MOBILE: Jacqueline Cochran Regional Airport, Thermal, California, within 3.22 km, centered around NL 33-38-07; WL 116-09-50
- (5) MOBILE: Space Port America, Upham, New Mexico, within 8.05 km, centered around NL 32-59-25; WL 106-58-31
- (6) MOBILE: Benson Muni Airport, Benson, Arizona, within 3.22 km, centered around NL 31-59-58; WL 110-21-29

This authorization effective June 29, 2026 and
will expire 3:00 A.M. EST December 17, 2026

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Plymouth, Minnesota, within 3.22 km, centered around NL 44-59-20; WL 93-25-48

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-77 GHz	MO	942MG1N	4260 mW (Output Power)	

MOBILE: Sun Valley Fliers RC Flying Field, Phoenix, Arizona, within 3.22 km, centered around NL 33-43-26; WL 112-01-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-77 GHz	MO	942MG1N	4260 mW (Output Power)	

MOBILE: Mesa Gateway Airport, Arizona, within 3.22 km, centered around NL 33-18-35; WL 111-39-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-77 GHz	MO	942MG1N	4260 mW (Output Power)	

MOBILE: Jacqueline Cochran Regional Airport, Thermal, California, within 3.22 km, centered around NL 33-38-07; WL 116-09-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-77 GHz	MO	942MG1N	4260 mW (Output Power)	

Frequency Information

MOBILE: Space Port America, Upham, New Mexico, within 8.05 km, centered around NL 32-59-25; WL 106-58-31

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-77 GHz	MO	942MG1N	4260 mW (Output Power)	

MOBILE: Benson Muni Airport, Benson, Arizona, within 3.22 km, centered around NL 31-59-58; WL 110-21-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
76-77 GHz	MO	942MG1N	4260 mW (Output Power)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee shall operate under the following conditions:
 - a) Test areas must be selected to avoid public roadways to the greatest extent possible.
 - b) The experimental licensee must immediately cease operations upon receipt of any interference complaint related to vehicular radars and may resume only after the issue has been resolved.
 - c) The experimental licensee must restrict all testing activities to within a 2-mile radius of the center-point coordinates specified in the request.
 - d) The output power of the transmitter for experimental operations must not exceed 36.3 dBm.
 - e) The maximum flight altitude must not exceed 500 feet AGL.
 - f) If any Foreign Object Debris (FOD) radars are present and operating at airports where testing will occur in the requested frequency bands, the applicant must notify the airport and provide the test parameters and stop buzzer contact information.
- (3) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.