

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WA8XAS

(Call Sign)

1050-EX-ST-2026

(File Number)

NAME Raytheon Company

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:

The purpose of the STA is to support ground mobile demo testing.

Station Locations

- (1) MOBILE: Grayling, MI, within 10 km, centered around NL 44-37-56; WL 84-46-30
- (2) MOBILE: Grayling, MI, within 10 km, centered around NL 44-42-55; WL 84-36-57

Frequency Information

MOBILE: Grayling, MI, within 10 km, centered around NL 44-37-56; WL 84-46-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
33-36 GHz	MO	1G00W9W	100 kW (ERP)	

This authorization effective July 01, 2026 and
will expire 3:00 A.M. EST December 01, 2026

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COMMUNICATIONS
COMMISSION**



Frequency Information

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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) Stop Buzzer: Blair (Michael) Reeves - 972-504-3527
- (3) Raytheon Company should be aware that other stations may be licensed on these frequencies and if any interference occurs, Raytheon Company may be subject to immediate shut down.
- (4) In order to protect Earth Exploration-Satellite Service (EESS) (passive) operations, the unwanted total radiated power (TRP) (integrated over all directions) within the 36-37 GHz frequency band must not exceed -30 dBW at any point in time.
- (5) In particular, Raytheon Company must ensure that proposed operations do not cause harmful interference to the following space-based assets:
 - a. Passive remote sensors operating in 36-37 GHz on the NASA Aqua or Global Precipitation Measurement (GPM) missions;
 - b. Active remote sensors operating in 35.5-36 GHz on the NASA Global Precipitation Measurement (GPM) or Surface Water and Ocean Topography (SWOT) missions.
- (6) Experimental station(s) must use the minimum power level necessary to execute testing to minimize potential interference to licensed users.