

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL
(Nature of Service)

XT MO
(Class of Station)

WA8XEO
(Call Sign)

1364-EX-ST-2026
(File Number)

NAME MatrixSpace Inc.

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:
Develop and evaluate a system for UAS and general aviation aircraft detection.

Technical Information: This station is authorized to operate under the following conditions:

Station Locations

- (1) MOBILE: with in 2 KM of 37-6-11 N, 76-23-10 W, Hampton, VA, within 2 km, centered around NL 37-06-11; WL 76-23-10

Frequency Information

MOBILE: with in 2 KM of 37-6-11 N, 76-23-10 W, Hampton, VA, within 2 km, centered around NL 37-06-11; WL 76-23-10

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
24.45-24.65 GHz	MO	22M0F3N 43M0F3N	68 W (ERP)	

- Special Conditions:
- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective July 27, 2026 and
will expire 3:00 A.M. ET August 29, 2026

FEDERAL
COMMUNICATIONS
COMMISSION



Special Conditions:

- (2) All operations must be successfully coordinated and receive written agreement from NASA Langley Research Center's Spectrum Management Office (larc-dl-spectrum-management@mail.nasa.gov) prior to commencement of operations.
- (3) Stop Buzzer Point of Contact: Tyler Opilka, 815-893-9378 or David Cameron, 408-761-2923