

United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION

EXPERIMENTAL

(Nature of Service)

WA9XLI

(Call Sign)

XT MO

(Class of Station)

0912-EX-ST-2026

(File Number)

NAME Rainmaker Technology Corporation

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 primary objective of this experiment is to evaluate the viability of a short-range maritime radar (Garmin Fantom 18x) as a detect-and-avoid (DAA) aircraft collision avoidance system.

Station Locations

- (1) MOBILE: Southwest Appleton, Brewton, AL, within 20 km, centered around NL 31-11-29; WL 87-08-55

Frequency Information

MOBILE: Southwest Appleton, Brewton, AL, within 20 km, centered around NL 31-11-29; WL 87-08-55

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
9354-9446 MHz	MO	32M0P0N	3100 W (ERP)	0.003 %
9354-9446 MHz	MO	32M0P0N	99 kW (ERP)	0.003 %

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 August 01, 2026 and
will expire 3:00 A.M. EST February 01, 2027

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (2) 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.