

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

EXPERIMENTAL

(Nature of Service)

WP9XER

(Call Sign)

XT MO

(Class of Station)

1322-EX-ST-2020

(File Number)

NAME EXXON COMMUNICATIONS 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:

Demonstrate that the radio system operating in the 2.2GHz band can robustly provide the required bandwidth facilitating operations of an autonomous surface vessel operating in a stream

Station Locations

- (1) MOBILE: , within 16.1 km, centered around NL 30-33-19; WL 91-57-19
- (2) MOBILE: up to 2 miles from the autonomous vessel, within 12.1 km, centered around NL 30-05-03; WL 93-57-00

Frequency Information

MOBILE: , within 16.1 km, centered around NL 30-33-19; WL 91-57-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2210 MHz	MO	20M0D7W	12 W (ERP)	0.002 %
2235 MHz	MO	20M0D7W	12 W (ERP)	0.002 %

This authorization effective September 16, 2020 and
will expire 3:00 A.M. EST October 16, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: up to 2 miles from the autonomous vessel, within 12.1 km, centered around NL 30-05-03; WL 93-57-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2210 MHz	MO	20M0D7W	12 W (ERP)	0.002 %
2235 MHz	MO	20M0D7W 20M0D7W	12 W (ERP)	0.002 %

Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (3) The maximum altitude of the drone for this demonstration will be 200 feet.
- (4) Exxon Communications Company should be aware that the band 2200-2290 MHz is allocated for federal operations and is an extremely congested band. Non-federal use is on a case-by-case basis. Exxon Communications Company should have no expectations of automatic approval in this band in future submissions.
- (5) Operations are limited to demonstration purposes only, and Exxon Communications Company should be aware that any future operational use of this equipment should be conducted in appropriately allocated frequency bands.
- (6) Exxon Communications Company shall be aware that mobile operation in the 2200-2290 MHz frequency band is required to protect federal earth station locations specified in the NTIA Manual Section 8.3.15, and airborne operations within 880 km of these earth station locations shall be pre-coordinated with the respective ground station operator prior to operation.