

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WJ2XHT

(Call Sign)

XC FX MO

(Class of Station)

0215-EX-CM-2020

(File Number)

NAME Maritime Applied Physics Corporation

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34
- (2) MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34
- (3) MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34
- (4) MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34
- (5) MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34
- (6) Panama City, FL - NL 30-10-22; WL 85-45-26; MOBILE: Shore, within 5 km, centered around NL 30-10-22; WL 85-45-26
- (7) MOBILE: IVO Warning Area 151, within 50 km, centered around NL 29-45-00; WL 86-15-00
- (8) MOBILE: IVO Warning Area 151, within 50 km, centered around NL 29-45-00; WL 86-15-00
- (9) MOBILE: IVO Warning Area 151, within 50 km, centered around NL 29-45-00; WL 86-15-00
- (10) MOBILE: IVO Warning Area 151, within 50 km, centered around NL 29-45-00; WL 86-15-00
- (11) MOBILE: Mouth of Delaware Bay, within 50 km, centered around NL 38-52-28; WL 75-01-59
- (12) MOBILE: Mouth of Delaware Bay, within 50 km, centered around NL 38-52-28; WL 75-01-59

This authorization effective October 02, 2020 and
will expire 3:00 A.M. EST March 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	500 W (ERP)	0.00003 %

MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	500 W (ERP)	0.00003 %

MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	10 W (ERP)	0.00003 %

MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	10 W (ERP)	0.00003 %

Frequency Information

MOBILE: Northern Cheasapeake Bay Area, within 50 km, centered around NL 39-09-06; WL 76-21-34

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	10 W (ERP)	0.00003 %

Panama City, FL - NL 30-10-22; WL 85-45-26; MOBILE: Shore, within 5 km, centered around NL 30-10-22; WL 85-45-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	500 W (ERP)	0.00003 %

MOBILE: IVO Warning Area 151, within 50 km, centered around NL 29-45-00; WL 86-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	500 W (ERP)	0.00003 %

MOBILE: IVO Warning Area 151, within 50 km, centered around NL 29-45-00; WL 86-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	10 W (ERP)	0.00003 %

Frequency Information

MOBILE: IVO Warning Area 151, within 50 km, centered around NL 29-45-00; WL 86-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	10 W (ERP)	0.00003 %

MOBILE: IVO Warning Area 151, within 50 km, centered around NL 29-45-00; WL 86-15-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	10 W (ERP)	0.00003 %

MOBILE: Mouth of Delaware Bay, within 50 km, centered around NL 38-52-28; WL 75-01-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	10 W (ERP)	0.00003 %

MOBILE: Mouth of Delaware Bay, within 50 km, centered around NL 38-52-28; WL 75-01-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5852-5872 MHz	MO	14M0D7D	500 W (ERP)	0.00003 %

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Special Conditions:

- (4) Operations must be an Non Interference Basis(NIB)/Non Protected Basis(NPB)/Not Prejudice to future decisions(NPFD).
- (5) Operations in the 5852 - 5872 MHz, licensee must avoid pointing the transmitting antenna main beam within 15 degrees of any point on the geostationary orbit arc located towards south, south-east and south-west.
- (6) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government; contract numbers: IWRP-19-LANT-0033-001, N0017817C9003 ,and HR0011-17-C-0105. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.