

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

EXPERIMENTAL

(Nature of Service)

WF2XTA

(Call Sign)

XR FX MO

(Class of Station)

0051-EX-RR-2013

(File Number)

NAME Rutgers University Institute of Marine and Coastal Sciences

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(a) of the Commission's Rules

Station Locations

- (1) Brigantine (ATLANTIC), NJ - NL 39-24-27; WL 74-21-43
- (2) Brant Beach (OCEAN), NJ - NL 39-36-55; WL 74-11-54
- (3) Loveladies (OCEAN), NJ - NL 39-44-10; WL 74-07-00
- (4) Cape May (CAPE MAY), NJ - NL 38-56-33; WL 74-53-00
- (5) Sea Bright (MONMOUTH), NJ - NL 40-26-31; WL 73-58-50; MOBILE: , within 25 km
- (6) Siasconset (NANTUCKET), MA - NL 41-14-57; WL 69-58-20
- (7) Block Island (WASHINGTON), RI - NL 41-09-09; WL 71-33-06
- (8) Belmar (MONMOUTH), NJ - NL 40-11-07; WL 74-00-29
- (9) East Moriches (SUFFOLK), NY - NL 40-47-18; WL 72-44-43
- (10) Edgartown (DUKES), MA - NL 41-20-59; WL 70-31-36
- (11) North Wildwood (ATLANTIC), NJ - NL 38-59-26; WL 74-47-59
- (12) Ocean City (CAPE MAY), NJ - NL 39-13-06; WL 74-38-20

Frequency Information

Brigantine (ATLANTIC), NJ - NL 39-24-27; WL 74-21-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400 kHz	FX	55K0P0N	40 W (ERP)	

This authorization effective May 02, 2013 and
will expire 3:00 A.M. EST May 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Brigantine (ATLANTIC), NJ - NL 39-24-27; WL 74-21-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4500 kHz	FX	55K0P0N	40 W (ERP)	
4600 kHz	FX	55K0P0N	40 W (ERP)	
4900 kHz	FX	55K0P0N	40 W (ERP)	
12140 kHz	FX	100KP0N	40 W (ERP)	
13430 kHz	FX	100KP0N	40 W (ERP)	
13450 kHz	FX	100KP0N	40 W (ERP)	
13530 kHz	FX	100KP0N	40 W (ERP)	

Brant Beach (OCEAN), NJ - NL 39-36-55; WL 74-11-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12140 kHz	FX	100KP0N	40 W (ERP)	
13430 kHz	FX	100KP0N	40 W (ERP)	

Frequency Information

Brant Beach (OCEAN), NJ - NL 39-36-55; WL 74-11-54

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
13450 kHz	FX	100KP0N	40 W (ERP)	
13530 kHz	FX	100KP0N	40 W (ERP)	

Loveladies (OCEAN), NJ - NL 39-44-10; WL 74-07-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4470 kHz	FX	55K0P0N	40 W (ERP)	
4500 kHz	FX	55K0P0N	40 W (ERP)	
4550 kHz	FX	55K0P0N	40 W (ERP)	
4800 kHz	FX	55K0P0N	40 W (ERP)	
4900 kHz	FX	55K0P0N	40 W (ERP)	

Frequency Information

Cape May (CAPE MAY), NJ - NL 38-56-33; WL 74-53-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400 kHz	FX	55K0P0N	40 W (ERP)	
4580 kHz	FX	55K0P0N	40 W (ERP)	
4800 kHz	FX	55K0P0N	40 W (ERP)	
4900 kHz	FX	55K0P0N	40 W (ERP)	

Sea Bright (MONMOUTH), NJ - NL 40-26-31; WL 73-58-50; MOBILE: , within 25 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4550 kHz	FX	55K0P0N	40 W (ERP)	
4600 kHz	FX	55K0P0N	40 W (ERP)	
4800 kHz	FX	55K0P0N	40 W (ERP)	
4860 kHz	FX	55K0P0N	40 W (ERP)	
4900 kHz	FX	55K0P0N	40 W (ERP)	

Frequency Information

Sea Bright (MONMOUTH), NJ - NL 40-26-31; WL 73-58-50; MOBILE: , within 25 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12140 kHz	FX	100KP0N	40 W (ERP)	
13430 kHz	FX	100KP0N	40 W (ERP)	
13450 kHz	FX	100KP0N	40 W (ERP)	
13530 kHz	FX	100KP0N	40 W (ERP)	
24700 kHz	FX	170KP0N	40 W (ERP)	
25100 kHz	FX	170KP0N	40 W (ERP)	
25500 kHz	FX	170KP0N	40 W (ERP)	
25900 kHz	FX	170KP0N	40 W (ERP)	

Siasconset (NANTUCKET), MA - NL 41-14-57; WL 69-58-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4470 kHz	FX	55K0P0N	40 W (ERP)	

Frequency Information

Siasconset (NANTUCKET), MA - NL 41-14-57; WL 69-58-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4500 kHz	FX	55K0P0N	40 W (ERP)	
4800 kHz	FX	55K0P0N	40 W (ERP)	
4900 kHz	FX	55K0P0N	40 W (ERP)	

Block Island (WASHINGTON), RI - NL 41-09-09; WL 71-33-06

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4470 kHz	FX	55K0P0N	40 W (ERP)	
4500 kHz	FX	55K0P0N	40 W (ERP)	
4550 kHz	FX	55K0P0N	40 W (ERP)	
4900 kHz	FX	55K0P0N	40 W (ERP)	

Frequency Information

Belmar (MONMOUTH), NJ - NL 40-11-07; WL 74-00-29

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12140 kHz	FX	100KP0N	40 W (ERP)	
13430 kHz	FX	100KP0N	40 W (ERP)	
13450 kHz	FX	100KP0N	40 W (ERP)	
13530 kHz	FX	100KP0N	40 W (ERP)	

East Moriches (SUFFOLK), NY - NL 40-47-18; WL 72-44-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4400 kHz	FX	55K0P0N	40 W (ERP)	
4500 kHz	FX	55K0P0N	40 W (ERP)	
4800 kHz	FX	55K0P0N	40 W (ERP)	
4900 kHz	FX	55K0P0N	40 W (ERP)	

Frequency Information

Edgartown (DUKES), MA - NL 41-20-59; WL 70-31-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4470 kHz	FX	55K0P0N	40 W (ERP)	
4550 kHz	FX	55K0P0N	40 W (ERP)	
4900 kHz	FX	55K0P0N	40 W (ERP)	
5100 kHz	FX	55K0P0N	40 W (ERP)	

North Wildwood (ATLANTIC), NJ - NL 38-59-26; WL 74-47-59

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12140 kHz	FX	100KP0N	40 W (ERP)	
13430 kHz	FX	100KP0N	40 W (ERP)	
13450 kHz	FX	100KP0N	40 W (ERP)	
13530 kHz	FX	100KP0N	40 W (ERP)	

Frequency Information

Ocean City (CAPE MAY), NJ - NL 39-13-06; WL 74-38-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
12140 kHz	FX	100KP0N	40 W (ERP)	
13430 kHz	FX	100KP0N	40 W (ERP)	
13450 kHz	FX	100KP0N	40 W (ERP)	
13530 kHz	FX	100KP0N	40 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) 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.
- (4) Licensee should be aware that Department of Justice operations may be assigned on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (5) Stop Buzzer: Hugh Roarty, 732-570-1974 (Cell).