

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

EXPERIMENTAL

(Nature of Service)

WM2XEW

(Call Sign)

XT FX MO

(Class of Station)

0756-EX-CN-2021

(File Number)

NAME NetWest Online, Inc.

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(j) of the Commission's Rules

Station Locations

- (1) Odessa (ECTOR), TX - NL 31-50-52; WL 102-27-04
- (2) Odessa (ECTOR), TX - NL 31-40-45; WL 102-22-28
- (3) Odessa (ECTOR), TX - NL 31-53-02; WL 102-23-13
- (4) Odessa (ECTOR), TX - NL 32-02-11; WL 102-22-43
- (5) Odessa (ECTOR), TX - NL 31-51-00; WL 102-22-13
- (6) Odessa (ECTOR), TX - NL 31-52-56; WL 102-18-52
- (7) Odessa (ECTOR), TX - NL 31-46-52; WL 102-21-41
- (8) Crane (CRANE), TX - NL 31-23-51; WL 102-21-36
- (9) Midland (MIDLAND), TX - NL 31-55-03; WL 102-13-24
- (10) Midland (MIDLAND), TX - NL 31-58-42; WL 102-14-42
- (11) Midland (MIDLAND), TX - NL 31-59-59; WL 102-04-47
- (12) MOBILE: Fixed customer units within 10 km from base, Odessa, TX, within 10 km, centered around NL 31-50-52; WL 102-27-04
- (13) MOBILE: Fixed customer units within 10 km from base, Odessa, TX, within 10 km, centered around NL 31-40-45; WL 102-22-28
- (14) MOBILE: Fixed customer units within 10 km from base, Odessa, TX, within 10 km, centered around NL 31-53-02; WL 102-23-13
- (15) MOBILE: Fixed customer units within 10 km of base, Odessa, TX, within 10 km, centered around NL 32-02-11; WL 102-22-43
- (16) MOBILE: Fixed customer units within 10 km of base, Odessa, TX, within 10 km, centered around NL 31-51-00; WL 102-22-13
- (17) MOBILE: Fixed customer units within 10 km of base, Odessa, TX, within 10 km, centered around NL 31-52-56; WL 102-18-52
- (18) MOBILE: Fixed customer units within 10 km of base, Odessa, TX, within 10 km, centered around NL 31-46-52; WL 102-21-41

This authorization effective December 01, 2021 and
will expire 3:00 A.M. EST December 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Station Locations

- (19) MOBILE: Fixed customer units within 10 km of base, Crane, TX, within 10 km, centered around NL 31-23-50; WL 102-21-36
- (20) MOBILE: Fixed customer units within 10 km of base, Midland, TX, within 10 km, centered around NL 31-55-03; WL 102-13-24
- (21) MOBILE: Fixed customer units within 10 km of base, Midland, TX, within 10 km, centered around NL 31-58-42; WL 102-14-42
- (22) MOBILE: Fixed customer units within 10 km of base, Midland, TX, within 10 km, centered around NL 31-59-59; WL 102-04-47

Frequency Information

Odessa (ECTOR), TX - NL 31-50-52; WL 102-27-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Odessa (ECTOR), TX - NL 31-40-45; WL 102-22-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Odessa (ECTOR), TX - NL 31-53-02; WL 102-23-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Frequency Information

Odessa (ECTOR), TX - NL 32-02-11; WL 102-22-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Odessa (ECTOR), TX - NL 31-51-00; WL 102-22-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Odessa (ECTOR), TX - NL 31-52-56; WL 102-18-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Odessa (ECTOR), TX - NL 31-46-52; WL 102-21-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Frequency Information

Crane (CRANE), TX - NL 31-23-51; WL 102-21-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Midland (MIDLAND), TX - NL 31-55-03; WL 102-13-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Midland (MIDLAND), TX - NL 31-58-42; WL 102-14-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Midland (MIDLAND), TX - NL 31-59-59; WL 102-04-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	FX	80M0D7D	206.46 mW (ERP)	

Frequency Information

MOBILE: Fixed customer units within 10 km from base, Odessa, TX, within 10 km, centered around NL 31-50-52; WL 102-27-04

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

MOBILE: Fixed customer units within 10 km from base, Odessa, TX, within 10 km, centered around NL 31-40-45; WL 102-22-28

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

MOBILE: Fixed customer units within 10 km from base, Odessa, TX, within 10 km, centered around NL 31-53-02; WL 102-23-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

MOBILE: Fixed customer units within 10 km of base, Odessa, TX, within 10 km, centered around NL 32-02-11; WL 102-22-43

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

Frequency Information

MOBILE: Fixed customer units within 10 km of base, Odessa, TX, within 10 km, centered around NL 31-51-00; WL 102-22-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

MOBILE: Fixed customer units within 10 km of base, Odessa, TX, within 10 km, centered around NL 31-52-56; WL 102-18-52

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

MOBILE: Fixed customer units within 10 km of base, Odessa, TX, within 10 km, centered around NL 31-46-52; WL 102-21-41

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

MOBILE: Fixed customer units within 10 km of base, Crane, TX, within 10 km, centered around NL 31-23-50; WL 102-21-36

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

Frequency Information

MOBILE: Fixed customer units within 10 km of base, Midland, TX, within 10 km, centered around NL 31-55-03; WL 102-13-24

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

MOBILE: Fixed customer units within 10 km of base, Midland, TX, within 10 km, centered around NL 31-58-42; WL 102-14-42

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (ERP)	

MOBILE: Fixed customer units within 10 km of base, Midland, TX, within 10 km, centered around NL 31-59-59; WL 102-04-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5925-6400 MHz	MO	80M0D7D	206.46 mW (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.
- (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) NetWest Online, Inc. shall coordinate with Fixed Microwave Service licensees in each proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (4) Operation must not exceed the conducted power/input power and maximum EIRP limits of the Unlicensed Use of the 6 GHz Band, 35 FCC Rcd 3852, 3853 (2020), including footnote 34.
- (5) The testing is limited to outdoor.

Special Conditions:**(6) For outdoor operations:**

() Licensee is authorized to conduct tests on 11 units of Mimosa A5x and 11 units of Mimosa A5C antennas mounted on fixed towers in the UNII-5 (5925-6400 MHz) frequency band with antenna gain of 19 dBi. The Maximum output power of Mimosa A5x and Mimosa A5C antennas must not exceed 50mW / 0.05 W/ 17 dbm / -13 dBW. The Maximum EIRP of Mimosa A5x and Mimosa A5C antennas must not exceed 36 dBm = 4 watt = 6 dBW = 2.43W ERP.

() The Mimosa A5x and Mimosa A5C antenna mounted on fixed towers will be used standard power access points (AFC Controlled). For operation in the 5925-6400 MHz (U-NII-5) frequency band, the maximum output power from the outdoor standard power access points (AFC Controlled) and fixed client device must not exceed 50m watt (17 dBm) into a 19 dBi (Gain) antenna for a total of 36 dBm EIRP (36 dBm EIRP = 4 watt EIRP = 6 dBW EIRP = 2.43W ERP). In addition, the maximum power spectral density shall not exceed 23 dBm (200mW) in any 1-megahertz band:

Antenna Gain	output power	authorized power	Maximum EIRP
19dBi	0.05W/17 dBm/-13dBW	2.43 W ERP	2.43W ERP/ 4 watts/ 36 dBm/6dBW

() For conducting outdoor tests in the 5.925-6.425 GHz (U-NII-5) frequency bands, the maximum EIRP from a Standard-Power Access Point (AFC Controlled) and fixed client device must not exceed 125 mW (21 dBm) at any elevation angle of more than 30 degrees above the horizon to protect satellite receivers.

() Licensee is authorized to conduct tests on 500 units of Mimosa C5x remote antennas in the portion of UNII-5 (5925-6400 MHz) frequency band with antenna gain of 25 dBi. The Maximum output power of Mimosa C5x antennas must not exceed 12.6 mW / 0.0126 W/ 11 dbm / -19 dBW. The Maximum EIRP of Mimosa C5x antennas must not exceed 30 dBm (30 dBm EIRP = 0.61 W ERP =1 watt = 0dBW).

() The Mimosa C5x remote antennas will be used as client devices. For client device (Client Connected to outdoor standard power access point), operating in the 5925-6400 MHz (U-NII-5) frequency band, the maximum power spectral density must not exceed 17 dBm (0.05 W) EIRP in any 1-megahertz band. In addition, the maximum EIRP over the frequency band of operation must not exceed 30 dBm (30 dBm EIRP = 0.61 W ERP =1 watt = 0dBW):

Antenna Gain	output power	authorized power	Maximum EIRP
25dBi	0.0126W/11dBm/-19 dBW	0.61 W ERP	0.61 W ERP/1 watt/ 30 dBm/ 0dBW

(7) For out of band emission limit:

For transmitters operating within the 5.925-6.425 GHz (U-NII-5) frequency band: Any emissions outside of the 5.925-6.400 GHz band must not exceed an EIRP of -27 dBm /MHz (The -27 dBm is equivalent to 0.000002 W).