

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

EXPERIMENTAL

(Nature of Service)

WI2XXU

(Call Sign)

XD MO

(Class of Station)

0384-EX-CN-2017

(File Number)

NAME Modular Mining Systems, 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) MOBILE: SAHUARITA, AZ, within 3 km, centered around NL 31-58-39; WL 111-04-56
- (2) MOBILE: TUCSON, AZ, within 1 km, centered around NL 32-08-10; WL 110-55-24

Frequency Information

MOBILE: SAHUARITA, AZ, within 3 km, centered around NL 31-58-39; WL 111-04-56

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
699-716 MHz	MO	18M0W9W	60 W (ERP)	
729-746 MHz	MO	18M0W9W	60 W (ERP)	
1710-1755 MHz	MO	20M0W9W	60 W (ERP)	
2110-2155 MHz	MO	20M0W9W	60 W (ERP)	

This authorization effective June 12, 2017 and
will expire 3:00 A.M. EST June 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: TUCSON, AZ, within 1 km, centered around NL 32-08-10; WL 110-55-24

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2110-2155 MHz	MO	20M0W9W	60 W (ERP)	

Special Conditions:

- (1) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (4) 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.
- (5) Operation is subject to consent of 700 MHz Lower Band "A", "B" and "C" licensees (698-716 MHz/728-746 MHz) within 50 miles of the test area.