

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

EXPERIMENTAL

(Nature of Service)

WL2XSN

(Call Sign)

XC MO

(Class of Station)

0982-EX-CN-2020

(File Number)

NAME MIT LL

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 c) of the Commission's Rules

Station Locations

- (1) MOBILE: NON GEOSTATIONARY SATELLITE
- (2) MOBILE: Non-Geo Satellite

Frequency Information

MOBILE: NON GEOSTATIONARY SATELLITE

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
8212.5 MHz	MO	4M00G1D	2 W (ERP)	4.0E-6 %

MOBILE: Non-Geo Satellite

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1616.25 MHz	MO	2M50G1D	0.102 W (ERP)	0.001 %

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

This authorization effective January 03, 2022 and
will expire 3:00 A.M. EST January 01, 2023

**FEDERAL
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COMMISSION**



Special Conditions:

- (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) Following launch of the satellite, the licensee must notify the FCC through electronic submission to the license file, of the status of the satellite (transmissions commenced, etc.), not later than 7 days after commencement or expected commencement of transmissions, and of termination of transmissions, not later than three months after such termination.
- (4) Upon receipt of a conjunction warning from the JSpOC or other source, the licensee must review the warning and take all possible steps to assess and, if necessary, to mitigate collision risk, including, but not limited to: contacting the operator of any active spacecraft involved in such warning; sharing ephemeris data and other appropriate operational information with any such operator; modifying spacecraft attitude and/or operations.
- (5) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (6) POINT OF COMMUNICATION: AgileMicroSat (AMS-1).
- (7) 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 number FA8702-15-D-0001. 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.