

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WL2XMR

(Call Sign)

0111-EX-CN-2021

(File Number)

NAME The University of Texas at Austin

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(h) of the Commission's Rules

Station Locations

- (1) MOBILE: Austin, TX, within 1 km, centered around NL 30-15-38; WL 97-47-23
- (2) MOBILE: Austin, TX, within 1 km, centered around NL 30-17-14; WL 97-44-13

Frequency Information

MOBILE: Austin, TX, within 1 km, centered around NL 30-15-38; WL 97-47-23

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 600-757 MHz   | MO            | 100MA2D             | 500 mW (ERP)     |                           |
| 1710-1990 MHz | MO            | 100MA2D             | 500 mW (ERP)     |                           |
| 2000-2200 MHz | MO            | 25M0A2D             | 500 mW (ERP)     |                           |

This authorization effective March 26, 2021 and  
will expire 3:00 A.M. EST April 01, 2022

**FEDERAL  
COMMUNICATIONS  
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## 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) Prior to commencing any operations in the frequencies below, the applicant must obtain consent from the following within 50 miles of the contours of the testing area:
  - 700 MHz Lower Band licensees (698-746 MHz)
  - 700 MHz Upper Band licensees (746-758 MHz)
  - Broadband PCS licensees (1850-1910 MHz/1930-1990 MHz)
  - 1910-1915 MHz/1990-1995 MHz Bands licensee
- (4) The applicant must obtain consents from the Advanced Wireless Service licensees in each proposed area prior to accessing to the frequency range from 1710 MHz to 1990 MHz and from 2000 MHz to 2200 MHz.
- (5) The applicant must obtain consents from the Upper Microwave Flexible Use Service licensees in the proposed areas prior to accessing to the frequency range from 614 MHz to 698 MHz.
- (6) The applicant must coordinate with the local Society of Broadcast Engineers frequency coordinator in each proposed area prior to operation in 600-757 MHz and 2000-2200 MHz bands.
- (7) Operation is not permitted using the frequency band 758-805 MHz and 2025-2110 MHz.
- (8) Stop buzzer, Chaghan Ge at 858-666-5768.