

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

EXPERIMENTAL

(Nature of Service)

WK2XXP

(Call Sign)

XT MO

(Class of Station)

0235-EX-CN-2020

(File Number)

NAME Brown University

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: Brown University Campus, Providence, RI, within 1.5 km, centered around NL 41-49-35; WL 71-23-50

Frequency Information

MOBILE: Brown University Campus, Providence, RI, within 1.5 km, centered around NL 41-49-35; WL 71-23-50

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
195-205 GHz	MO	2G00K1D	12.6 W (ERP)	1.0E-6 %

Special Conditions:

- (1) 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.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) NASA and NTIA object to operation in the frequency band 97.5-103 GHz.
- (4) Operation on this assignment is subject to immediate cessation, if it causes harmful interference to NASA OPS assignments.
- (5) Operations are used on Noninterference basis.

This authorization effective August 07, 2020 and
will expire 3:00 A.M. EST August 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (6) This assignment is not in complete conformity with the National Table of Frequency Allocations. Those operations that are conducted under the non-conforming portions of this assignment are on a secondary basis to operations conducted under assignments that are in conformity with the National Table of Frequency Allocations.
- (7) Operations under the authority of this assignment a) are not protected from harmful interference which may be caused by authorized stations operating in accordance with the National Table of Frequency Allocations and b) are subject to immediate adjustment, including cessation, if they result in harmful interference to authorized stations operating in accordance with that table.
- (8) Subject to the understanding that equipment will not be developed for operational use in this band.