

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI2XVS

(Call Sign)

0131-EX-CM-2019

(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 (+/-)
195-200 GHz	MO	2G00K1D	12.6 W (ERP)	0.00001 %
292-308 GHz	MO	2G00K1D	2.8 W (ERP)	0.00001 %
390-410 GHz	MO	2G00K1D	4 W (ERP)	0.00001 %

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.

This authorization effective August 20, 2019 and
will expire 3:00 A.M. EST July 01, 2021

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COMMISSION**



Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) The designated point of contact to terminate the systems if interference occurs is Dr. Mittleman at 713-992-4137.
- (4) NASA and NTIA objected to operate the frequency band 97.5-103 GHz and 200-205 GHz.