

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI2XOU

(Call Sign)

0001-EX-CR-2019

(File Number)

NAME American Tower Indoor DAS LLC

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: Woburn, MA: Indoor and outdoor use on site, within 0.2 km, centered around NL 42-31-39; WL 71-08-16
- (2) MOBILE: Cary, NC: Indoor and outdoor use on site, within 0.2 km, centered around NL 35-43-47; WL 78-47-13
- (3) MOBILE: Fletcher, NC: Indoor and outdoor use on site, within 0.2 km, centered around NL 35-26-06; WL 82-32-15

Frequency Information

MOBILE: Woburn, MA: Indoor and outdoor use on site, within 0.2 km, centered around NL 42-31-39; WL 71-08-16

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3600 MHz	MO	10M0W7W 20M0W7W	1 W (ERP)	0.002 %
3700-3800 MHz	MO	10M0W7W 20M0W7W	1 W (ERP)	0.002 %

This authorization effective February 01, 2019 and
will expire 3:00 A.M. EST February 01, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Cary, NC: Indoor and outdoor use on site, within 0.2 km, centered around NL 35-43-47; WL 78-47-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3600 MHz	MO	10M0W7W 20M0W7W	1 W (ERP)	0.002 %
3600-3800 MHz	MO	10M0W7W 20M0W7W	1 W (ERP)	0.002 %

MOBILE: Fletcher, NC: Indoor and outdoor use on site, within 0.2 km, centered around NL 35-26-06; WL 82-32-15

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3600 MHz	MO	10M0W7W 20M0W7W	1 W (ERP)	0.002 %
3600-3800 MHz	MO	20M0W7W 10M0W7W	1 W (ERP)	0.002 %

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) Licensee must maintain operation separation from the grandfathered earth stations as defined in Part 90, sub-part Z, or coordinate and agreement with the grandfathered earth station licensees.
- (3) Licensee must ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed areas.
- (4) Operations in the Fletcher, N.C. location, (NL 35-26-06; WL 82-32-15) is limited to indoors ONLY for the 3600-3800 MHz frequency band.
- (5) The maximum antenna altitude for all transmitters in the three locations (above ground level) is 10 feet set forth by applicant.

Special Conditions:

- (6) At least 5 business days prior to operating, American Tower Indoor DAS LLC, must notify licensees of earth stations operating in-band and adjacent band above 3700 MHz within 15 kilometers of the locations from which experimental operations will occur. American Tower Indoor DAS LLC, must also provide such notification to the National Spectrum Managers Association frequency coordinators by email. (see http://wireless.fcc.gov/services/index.htm?job=licensing_1&id=microwave). The notice must include the name and contact information of the stop buzzer personnel that will be available to cease operations in the event of reported interference. The notification should include the testing parameters (specific location(s), antenna gain(s), antenna pattern, antenna height(s), antenna orientation, eirp density) and day and times of each test. Consult the IBFS database to identify licensed earth station above 3700 MHz band.
- (7) All of the experimental devices will be under the control of American Tower Indoor DAS LLC.
- (8) Stop buzzer contact is Pixyish Raj, American Tower Indoor DAS LLC at office (919) 466-5093, mobile (973) 652-1563 and email: piyush.raj@americantower.com.