

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

WR9XNB

(Call Sign)

XT MO

(Class of Station)

0033-EX-ST-2021

(File Number)

NAME ATTOBahn, Inc.

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

Data derived from these experiments will increase applicants understanding of propagation and network design at this frequency range.

Station Locations

- (1) MOBILE: Within 3.2 km radius of Pocasset, MA, within 3.2 km, centered around NL 41-42-27; WL 70-35-03
- (2) MOBILE: Within 3.2 km of Falls Church, VA, within 3.2 km, centered around NL 38-50-31; WL 77-07-13
- (3) MOBILE: Within 3.2 km of 1114 Sixth Ave., New York, NY, within 3.2 km, centered around NL 40-45-18; WL 73-58-58
- (4) MOBILE: 3.2 km of 26 Broadway, New York, NY, within 3.2 km, centered around NL 40-42-20; WL 74-00-47
- (5) MOBILE: Within 3.2 km of Navy Yard, Brooklyn, NY, within 3.2 km, centered around NL 40-42-02; WL 73-68-20
- (6) MOBILE: Within 3.2 km of Lakeview Loop, Placentia, CA, within 3.2 km, centered around NL 33-52-53; WL 117-49-09

This authorization effective February 23, 2021 and
will expire 3:00 A.M. EST August 16, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Within 3.2 km radius of Pocasset, MA, within 3.2 km, centered around NL 41-42-27; WL 70-35-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	2 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	10 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	1.5 kW (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	50 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	1 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	200 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	125 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	3.2 mW (ERP)	0.0005 %

MOBILE: Within 3.2 km of Falls Church, VA, within 3.2 km, centered around NL 38-50-31; WL 77-07-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	2 W (ERP)	0.0005 %

Frequency Information

MOBILE: Within 3.2 km of Falls Church, VA, within 3.2 km, centered around NL 38-50-31; WL 77-07-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	10 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	1.5 kW (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	50 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	1 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	200 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	125 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	3.2 mW (ERP)	0.0005 %

MOBILE: Within 3.2 km of 1114 Sixth Ave., New York, NY, within 3.2 km, centered around NL 40-45-18; WL 73-58-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	2 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	10 W (ERP)	0.0005 %

Frequency Information

MOBILE: Within 3.2 km of 1114 Sixth Ave., New York, NY, within 3.2 km, centered around NL 40-45-18; WL 73-58-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	1.5 kW (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	50 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	1 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	200 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	125 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	3.2 mW (ERP)	0.0005 %

MOBILE: 3.2 km of 26 Broadway, New York, NY, within 3.2 km, centered around NL 40-42-20; WL 74-00-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	2 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	10 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	1.5 kW (ERP)	0.0005 %

Frequency Information

MOBILE: 3.2 km of 26 Broadway, New York, NY, within 3.2 km, centered around NL 40-42-20; WL 74-00-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	50 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	1 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	200 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	125 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	3.2 mW (ERP)	0.0005 %

MOBILE: Within 3.2 km of Navy Yard, Brooklyn, NY, within 3.2 km, centered around NL 40-42-02; WL 73-68-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	2 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	10 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	1.5 kW (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	50 mW (ERP)	0.0005 %

Frequency Information

MOBILE: Within 3.2 km of Navy Yard, Brooklyn, NY, within 3.2 km, centered around NL 40-42-02; WL 73-68-20

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
100-105 GHz	MO	2G10D7W	1 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	200 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	125 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	3.2 mW (ERP)	0.0005 %

MOBILE: Within 3.2 km of Lakeview Loop, Placentia, CA, within 3.2 km, centered around NL 33-52-53; WL 117-49-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
95-100 GHz	MO	2G10D7W	2 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	10 W (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	1.5 kW (ERP)	0.0005 %
95-100 GHz	MO	2G10D7W	50 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	1 W (ERP)	0.0005 %

Frequency Information

MOBILE: Within 3.2 km of Lakeview Loop, Placentia, CA, within 3.2 km, centered around NL 33-52-53; WL 117-49-09

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
100-105 GHz	MO	2G10D7W	200 W (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	125 mW (ERP)	0.0005 %
100-105 GHz	MO	2G10D7W	3.2 mW (ERP)	0.0005 %

Special Conditions:

- (1) All operations are on a strict non-interference basis to authorized federal users, and ATTOBahn, Inc. should be aware that any interference to these users will subject the licensee to immediate shut down. All operations are limited to propagation measurement experiments, and long term or multiple location use of passive only allocations is not possible. ATTOBahn, Inc. shall have no expectations that future requests for operational use of these frequency bands will be approved., and ATTOBahn, Inc. should ensure that any future operational use of this equipment be conducted in appropriately allocated frequency bands.
- (2) ATTOBahn, Inc. should either notch the 100-102 GHz frequency range, or coordinate operation with the Haystack Observatory point of contact when transmitting in this range: Dr. Philip Erickson, Associate Director, Haystack Observatory, Email: <mailto:pje@mit.edu>, Telephone: 617-715-5769