

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

EXPERIMENTAL

(Nature of Service)

WN9XJN

(Call Sign)

XT MO

(Class of Station)

1625-EX-ST-2018

(File Number)

NAME Boom Technologies, 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:

To conduct MESH networking tests over Colorado to provide a robust and reliable flight data system for their aircraft in development.

Station Locations

- (1) MOBILE: Along the flight plan between KAPA and KGLD, Englewood, CO, within 325 km, centered around NL 39-17-34; WL 103-04-02

Frequency Information

MOBILE: Along the flight plan between KAPA and KGLD, Englewood, CO, within 325 km, centered around NL 39-17-34; WL 103-04-02

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2370-2390 MHz	MO	20M0D7W	80 W (ERP)	0.002 %

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.

This authorization effective October 08, 2018 and
will expire 3:00 A.M. EST November 08, 2018

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Special Conditions:

- (3) Operation is non-interference basis to other authorized users within radio line-of-sight.
- (4) Boom Technology Inc. must pre-schedule with Wichita Area Flight Operations Desk (316-517-6146) prior to flight testing. Failure to do so will result in cancellation of coordination.
- (5) AFTRCC will not give favorable consideration for operational use of this device in the AMT band of 2360-2390 MHZ. AFTRCC will only give favorable coordination for testing/Demo purposes only when/where possible for limited period.
- (6) Operation is subject to prior coordination with AFTRCC.