

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

EXPERIMENTAL

(Nature of Service)

WM9XBX

(Call Sign)

XT MO

(Class of Station)

0845-EX-ST-2018

(File Number)

NAME CommScope

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:

The purpose of the ground to air propagation measurements is to validate an hybrid model that uses the forest, TIREM, and urban models to predict clutter loss in an environment.

Station Locations

- (1) MOBILE: Frederick, MD, within 50 km, centered around NL 39-25-00; WL 77-22-30
- (2) MOBILE: Baltimore, MD, within 50 km, centered around NL 39-17-00; WL 76-37-00
- (3) MOBILE: Chicago, IL, within 50 km, centered around NL 41-52-30; WL 87-38-00
- (4) MOBILE: Denver, CO, within 50 km, centered around NL 39-45-00; WL 105-00-00
- (5) MOBILE: San Francisco, CA, within 50 km, centered around NL 37-45-00; WL 122-25-00
- (6) MOBILE: Pittsburgh, PA, within 50 km, centered around NL 46-26-26; WL 79-59-45

Frequency Information

MOBILE: Frederick, MD, within 50 km, centered around NL 39-25-00; WL 77-22-30

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1780 MHz	MO	2K00N0N	50 W (ERP)	

This authorization effective May 24, 2018 and
will expire 3:00 A.M. EST November 25, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Baltimore, MD, within 50 km, centered around NL 39-17-00; WL 76-37-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1780 MHz	MO	2K00N0N	50 W (ERP)	

MOBILE: Chicago, IL, within 50 km, centered around NL 41-52-30; WL 87-38-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1780 MHz	MO	2K00N0N	50 W (ERP)	

MOBILE: Denver, CO, within 50 km, centered around NL 39-45-00; WL 105-00-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1780 MHz	MO	2K00N0N	50 W (ERP)	

MOBILE: San Francisco, CA, within 50 km, centered around NL 37-45-00; WL 122-25-00

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1780 MHz	MO	2K00N0N	50 W (ERP)	

Frequency Information

MOBILE: Pittsburgh, PA, within 50 km, centered around NL 46-26-26; WL 79-59-45

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1755-1780 MHz	MO	2K00N0N	50 W (ERP)	

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) Operation in the 1695-1780 MHz, 1915-1920 MHz, 1995-2020 MHz or 2110-2200 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (4) Further requests for extension of the authority granted herein must be filed on Form 442, "Application for New or Modified Radio Station Authorization under Part 5 of FCC Rules - Experimental Radio Service." Future STA requests to extend this authorization will not be considered.
- (5) Prior to each test CommScope is to contact the DoI AWS-3 PM, John Whitlow, at (571) 594-6750, for conference call with USGS Network Engineers.
- (6) CommScope must notch out the following frequencies, +/- 3MHz, at the San Francisco, CA location (37-45-00N 122-25-00W): M1756.5, M1760, M1763, M1779.
- (7) The stop buzzer point of contact is Sharad Langhnoja at (703) 943-6436.