

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

EXPERIMENTAL

(Nature of Service)

WJ9XDC

(Call Sign)

XT MO

(Class of Station)

1118-EX-ST-2015

(File Number)

NAME Cisco Systems

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 verify radio hand offs between Wi-Fi and LTE systems on railroad trains.

Station Locations

- (1) MOBILE: 5km at Transport Technical Center Pueblo CO
- (2) MOBILE: 5km at Transport rail center of Test Center

Frequency Information

MOBILE: 5km at Transport Technical Center Pueblo CO

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698-704 MHz	MO	5M00X7X	1 W (ERP)	
728-734 MHz	MO	5M00X7X	1 W (ERP)	
746-757 MHz	MO	10M0X7X	1 W (ERP)	

This authorization effective October 13, 2015 and
will expire 3:00 A.M. EST November 11, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: 5km at Transport Technical Center Pueblo CO

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-757 MHz	MO	5M00X7X	1 W (ERP)	
776-787 MHz	MO	10M0X7X 5M00X7X	1 W (ERP)	

MOBILE: 5km at Transport rail center of Test Center

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	200KG7W 10M0XXX	2 W (Output Power)	
869-894 MHz	MO	200KG7W 200KG7W 10M0XXX	2 W (Output Power)	
2500-2570 MHz	MO	10M0XXX 20M0XXX	2 W (Output Power)	
2620-2690 MHz	MO	10M0XXX 20M0XXX	2 W (Output Power)	

Special Conditions:

- (1) Operation on Commercial Mobile Radio Services (CMRS) frequencies requires consent of CMRS licensees to avoid interference.

Special Conditions:

- (2) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at http://freq.sbe.org/pdf_files/coordinators.pdf to find the appropriate coordinator.
- (3) 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.
- (4) Operation is subject to prior coordination with any WCS licensees.