

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

EXPERIMENTAL

(Nature of Service)

XD MO

(Class of Station)

WH2XIS

(Call Sign)

0358-EX-CR-2018

(File Number)

NAME Cisco Systems

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(g j) of the Commission's Rules

Station Locations

- (1) MOBILE: Nationwide for demo
- (2) MOBILE: Nationwide for demo
- (3) MOBILE: Nationwide for demo
- (4) MOBILE: Nationwide
- (5) MOBILE: Nationwide for demo
- (6) MOBILE: Nationwide for demo
- (7) MOBILE: Various Cisco campuses for testing and evaluation
- (8) MOBILE: Nationwide for demo
- (9) MOBILE: Nationwide for demo

Frequency Information

MOBILE: Nationwide for demo

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1990 MHz	MO	200KG7W	250 mW (ERP)	

This authorization effective August 01, 2018 and
will expire 3:00 A.M. EST August 01, 2020

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Nationwide for demo

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1990 MHz	MO	200KG7W	1 W (ERP)	

MOBILE: Nationwide for demo

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1710-1755 MHz	MO	10M0F7W	250 mW (ERP)	

MOBILE: Nationwide

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2110-2155 MHz	MO	10M0F7W	250 mW (ERP)	

MOBILE: Nationwide for demo

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	5M00X7X	1 W (ERP)	

Frequency Information

MOBILE: Nationwide for demo

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

MOBILE: Nationwide for demo

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2496-2689 MHz	MO	5M00F7W 10M0F7W	1 W (ERP)	

MOBILE: Various Cisco campuses for testing and evaluation

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2495 MHz	MO	20M0W7X	2 W (ERP)	

MOBILE: Nationwide for demo

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1850-1990 MHz	MO	10M0M0X	1 W (ERP)	

Frequency Information

MOBILE: Nationwide for demo

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
746-756 MHz	MO	5M00D7D 10M0D7D	20 mW (ERP)	
777-787 MHz	MO	10M0D7D	20 mW (ERP)	
1710-1755 MHz	MO	10M0D7D 20M0D7D	20 mW (ERP)	

Special Conditions:

- (1) Operation requires consent of affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation in the 1850-1910 or 1930-1990 MHz band requires prior frequency coordination with 2 GHz microwave users and consent of PCS licensees to avoid interference.
- (3) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.
- (4) 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.
- (5) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (6) 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.
- (7) 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.
- (8) Stop buzzer POC is Elias Chavarria Reyes at (408) 527-7793.
- (9) All operation must be indoor and in test chambers.