

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

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

WH2XCN

(Call Sign)

0161-EX-PL-2014

(File Number)

NAME Cisco Systems Inc

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(i) of the Commission's Rules

Station Locations

(1) San Francisco, CA

Frequency Information

San Francisco, CA

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698-704 MHz	MO	5M00X7X	2 W (ERP)	
728-734 MHz	MO	5M00X7X	2 W (ERP)	
746-757 MHz	MO	5M00X7X 10M0X7X	2 W (ERP)	
776-787 MHz	MO	5M00X7X 10M0X7X	2 W (ERP)	

This authorization effective March 14, 2014 and
will expire 3:00 A.M. EST March 01, 2016

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

San Francisco, CA

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
824-849 MHz	MO	200KG7W	2 W (Output Power)	
869-890 MHz	MO	200KG7W	2 W (Output Power)	
890-960 MHz	MO	200KG7W	2 W (Output Power)	
1710-1755 MHz	MO	10M0G7W 10M0F7N	2 W (Output Power)	
1755-1850 MHz	MO	200KG7F 200KG7W	2 W (Output Power)	
1850-1990 MHz	MO	200KG7W 200KG7F	2 W (Output Power)	
2110-2155 MHz	MO	10M0F7W	500 mW (ERP)	
2305-2320 MHz	MO	5M00F7W 10M0F7W 10M0F7W	500 mW (ERP)	
2345-2360 MHz	MO	10M0F7W 10M0F7W	500 mW (ERP)	

Frequency Information

San Francisco, CA

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2345-2360 MHz	MO	10M0F7W	500 mW (ERP)	
2496-2689 MHz	MO	10M0XXX	1 W (ERP)	

Special Conditions:

- (1) Operation in the 1910-1930 MHz band requires coordination with UTAM, Inc. pursuant to Section 15.307 of the Commission's Rules.
- (2) Operation in the 824-849 or 869-894 MHz band requires consent of local cellular licensee(s) to avoid interference.
- (3) 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.
- (4) Operation in the 1710-1755 or 2110-2155 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) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9102 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (7) Operations must be prior coordinated with affected Fixed Microwave Service (Part 101) licensees in accordance with 47 CFR, Part 101.103(d).