

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

EXPERIMENTAL

(Nature of Service)

XT FX MO

(Class of Station)

WF2XAD

(Call Sign)

0256-EX-RR-2012

(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) of the Commission's Rules

Station Locations

- (1) Richardson, TX - NL 33-00-06; WL 96-37-08; MOBILE: 16 km around antenna site, within 16 km
- (2) MOBILE: , within 12 km, centered around NL 33-00-06; WL 96-37-03
- (3) San Jose (SANTA CLARA), CA; MOBILE: Cisco test labs building 25 and P, within 10 km, centered around NL 37-27-14; WL 121-55-35

Frequency Information

Richardson, TX - NL 33-00-06; WL 96-37-08; MOBILE: 16 km around antenna site, within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2305-2320 MHz	MO	10M0X7X 5M00X7W 10M0X7W	33 W (ERP)	
2496-2689 MHz	MO	10M0X7X 5M00X7X 10M0X7X	33 W (ERP)	

This authorization effective September 01, 2012 and
will expire 3:00 A.M. EST March 01, 2015

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Richardson, TX - NL 33-00-06; WL 96-37-08; MOBILE: 16 km around antenna site, within 16 km

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3600 MHz	MO	10M0X7X 5M00X7X	30 W (ERP)	
17.765-18.115 GHz	FX	47M0D7W 47M1D7W	270 mW (Output Power)	
19.325-19.675 GHz	FX	47M0D7W 47M1D7W	270 mW (Output Power)	

MOBILE: , within 12 km, centered around NL 33-00-06; WL 96-37-03

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2345-2360 MHz	MO	10M0X7W 5M00X7W	33 W (ERP)	

San Jose (SANTA CLARA), CA; MOBILE: Cisco test labs building 25 and P, within 10 km, centered around NL 37-27-14; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2305-2320 MHz	FX	5M00X7X 10M0X7X	2 W (ERP)	
2445-2460 MHz	FX	5M00X7X 10M0X7X	2 W (ERP)	

Frequency Information

San Jose (SANTA CLARA), CA; MOBILE: Cisco test labs building 25 and P, within 10 km, centered around NL 37-27-14; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3400-3600 MHz	FX	3M50X7X 7M00X7X	30 W (ERP)	
3650-3700 MHz	FX	5M00X7X 10M0W7X 10M0W7X	30 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation is subject to prior coordination with affected Fixed Microwave Service licensees in the area.
- (3) The band 3400-3600 MHz is to be used for the exclusive purpose of testing and evaluating WiMax systems prior to export.