

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

EXPERIMENTAL

(Nature of Service)

WF2XAD

(Call Sign)

XT      FX MO

(Class of Station)

0020-EX-ML-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<br>5M00X7W<br>10M0X7W | 33 W (ERP)       |                           |
| 2496-2689 MHz | MO            | 10M0X7X<br>5M00X7X<br>10M0X7X | 33 W (ERP)       |                           |

This authorization effective June 21, 2012 and  
will expire 3:00 A.M. EST September 01, 2012

**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<br>5M00X7X  | 30 W (ERP)            |                           |
| 17.765-18.115 GHz | FX            | 47M0D7W<br>47M1D7W  | 270 mW (Output Power) |                           |
| 19.325-19.675 GHz | FX            | 47M0D7W<br>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<br>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<br>10M0X7X  | 2 W (ERP)        |                           |
| 2445-2460 MHz | FX            | 5M00X7X<br>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<br>7M00X7X            | 30 W (ERP)       |                           |
| 3650-3700 MHz | FX            | 5M00X7X<br>10M0W7X<br>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.