

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WH2XIS

(Call Sign)

0529-EX-PL-2014

(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(i) 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

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 July 16, 2014 and  
will expire 3:00 A.M. EST August 01, 2016

**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<br>5M00X7X  | 1 W (ERP)        |                           |

MOBILE: Nationwide for demo

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

## Special Conditions:

- (1) 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.
- (2) 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](mailto:executivedir@sbe.org); information, [www.sbe.org](http://www.sbe.org).
- (3) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.