

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

EXPERIMENTAL

(Nature of Service)

XD      FX MO

(Class of Station)

WH2XAC

(Call Sign)

0058-EX-RR-2016

(File Number)

NAME Luminate Wireless, 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(j) of the Commission's Rules

Station Locations

- (1) Cupertino (SANTA CLARA), CA - NL 37-19-28; WL 122-02-18; MOBILE: Cupertino, CA, within 1 km

Frequency Information

Cupertino (SANTA CLARA), CA - NL 37-19-28; WL 122-02-18; MOBILE: Cupertino, CA, within 1 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 1710-1755 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 1850-1910 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 1930-1990 MHz | FX            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2110-2155 MHz | FX            | 10M0F9W             | 200 mW (ERP)     |                           |

This authorization effective March 01, 2016 and  
will expire 3:00 A.M. EST March 01, 2018

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

Cupertino (SANTA CLARA), CA - NL 37-19-28; WL 122-02-18; MOBILE: Cupertino, CA, within 1 km

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 2496-2690 MHz | MO            | 10M0F9W             | 200 mW (ERP)     |                           |
| 2496-2690 MHz | FX            | 10M0F9W             | 200 mW (ERP)     |                           |

## Special Conditions:

- (1) 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.
- (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) Operation in the 1710-1755 or 2110-2155 MHz band requires consent of local Advanced Wireless Service (AWS) licensee(s) to avoid interference.
- (4) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.
- (6) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (7) Licensee is required to coordinate operations with existing microwave users in the area to avoid interference.