

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

EXPERIMENTAL

(Nature of Service)

WD2XEM

(Call Sign)

XD FX MO

(Class of Station)

0072-EX-ML-2003

(File Number)

NAME Atheros Communications, 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) CA; MOBILE: Los Altos, Mountain View, Sunnyvale, Santa Clara, San Jose, and indoor demonstration locations

Frequency Information

CA; MOBILE: Los Altos, Mountain View, Sunnyvale, Santa Clara, San Jose, and indoor demonstration locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2300-2400 MHz	MO	20M0X7W	4000 mW (ERP)	
2300-2400 MHz	FX	20M0X7W	4000 mW (ERP)	
2400-2483.5 MHz	MO	20M0D2W 20M0X7W	4000 mW (ERP)	
2400-2483.5 MHz	FX	20M0X7W	4000 mW (ERP)	

This authorization effective January 18, 2005 and
will expire 3:00 A.M. EST August 01, 2005

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

CA; MOBILE: Los Altos, Mountain View, Sunnyvale, Santa Clara, San Jose, and indoor demonstration locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2400-2483.5 MHz	FX	20M0D2W	4000 mW (ERP)	
4900-5000 MHz	MO	20M0X7W	1000 mW (ERP)	
4900-5000 MHz	FX	20M0X7W	1000 mW (ERP)	
5150-5250 MHz	MO	20M0X7W	200 mW (ERP)	
5150-5250 MHz	FX	20M0X7W	200 mW (ERP)	
5250-5350 MHz	FX	20M0X7W	1000 mW (ERP)	
5250-5350 MHz	MO	20M0X7W	1000 mW (ERP)	
5470-5600 MHz	FX	20M0X7W	1000 mW (ERP)	
5470-5600 MHz	MO	20M0X7W	1000 mW (ERP)	
5650-5725 MHz	FX	20M0X7W	1000 mW (ERP)	

Frequency Information

CA; MOBILE: Los Altos, Mountain View, Sunnyvale, Santa Clara, San Jose, and indoor demonstration locations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5650-5725 MHz	MO	20M0X7W	1000 mW (ERP)	
5725-5850 MHz	FX	20M0X7W	4000 mW (ERP)	
5725-5850 MHz	MO	20M0X7W	4000 mW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) Prior to equipment authorization or a determination of compliance, the device must be accompanied by a conspicuous notice worded as follows: "This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained."
- (3) Operations shall conform to the requirements under Part 15 of the FCC rules.
- (4) Licensee is authorized to operate up to 50 units.
- (5) Operations shall conform to the technical parameters adopted in ET Docket 03-122, adopted November 13, 2003.