

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

EXPERIMENTAL

(Nature of Service)

XD FX MO

(Class of Station)

WC2XUE

(Call Sign)

0201-EX-RR-2005

(File Number)

NAME MeshNetworks, 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(d, f, i, j) of the Commission's Rules

Station Locations

- (1) US; MOBILE: Nationwide demonstrations
- (2) Maitland, FL - NL 28-37-55; WL 81-23-57; MOBILE: 485 North Keller Road, Maitland, FL, within 80 km, centered around NL 28-37-55; WL 81-23-57

Frequency Information

US; MOBILE: Nationwide demonstrations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.4-2.4835 GHz	FX	20M0G7D	4 W (ERP)	
2.4-2.4835 GHz	MO	20M0G7D	4 W (ERP)	
2.5-2.686 GHz	FX	20M0G7D	4 W (ERP)	
2.5-2.686 GHz	MO	20M0G7D	4 W (ERP)	

This authorization effective January 01, 2006 and
will expire 3:00 A.M. EST January 02, 2008

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

US; MOBILE: Nationwide demonstrations

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.94-4.99 GHz	FX	20M0G7D	16 W (ERP)	
4.94-4.99 GHz	MO	20M0G7D	16 W (ERP)	
5.725-5.875 GHz	FX	20M0G7D	4 W (ERP)	
5.725-5.875 GHz	MO	20M0G7D	4 W (ERP)	
5.85-5.925 GHz	FX	20M0G7D	30 W (ERP)	
5.85-5.925 GHz	MO	20M0G7D	30 W (ERP)	

Maitland, FL - NL 28-37-55; WL 81-23-57; MOBILE: 485 North Keller Road, Maitland, FL, within 80 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.4-2.4835 GHz	FX	20M0G7D	4 W (ERP)	
2.4-2.4835 GHz	MO	20M0G7D	4 W (ERP)	
2.5-2.686 GHz	FX	20M0G7D	4 W (ERP)	

Frequency Information

Maitland, FL - NL 28-37-55; WL 81-23-57; MOBILE: 485 North Keller Road, Maitland, FL, within 80 km, centered around NL 2

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2.5-2.686 GHz	MO	20M0G7D	4 W (ERP)	
4.94-4.99 GHz	FX	20M0G7D	16 W (ERP)	
4.94-4.99 GHz	MO	20M0G7D	16 W (ERP)	
5.725-5.875 GHz	FX	20M0G7D	4 W (ERP)	
5.725-5.875 GHz	MO	20M0G7D	4 W (ERP)	
5.85-5.925 GHz	FX	20M0G7D	30 W (ERP)	
5.85-5.925 GHz	MO	20M0G7D	30 W (ERP)	

Special Conditions:

- (1) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (3) All customers participating in the experiment shall be informed that this operation is for experimental purposes only and can be cancelled at any time.
- (4) 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."

Special Conditions:

- (5) Licensee is required to file a PROGRESS REPORT every 6 months from the date of grant. This progress report shall be filed with Federal Communications Commission; Experimental Licensing Branch, MS 1300E1; 445 12 Street, S.W.; Washington, DC 20554.
- (6) Licensee is authorized to operate up to 1000 unapproved devices at the Maitland, FL location.
- (7) Licensee is authorized to operate up to 1000 unapproved devices for demonstration purposes only on a nationwide basis. No more than 200 devices may be operated at a time for each demonstration.
- (8) Operations in the 2.5-2.686 GHz band shall provide interference protection, in accordance with 47 CFR, Part 27.1221, to existing co-channel and adjacent channel BRS and EBS operations. Alternatively, concurrence must be obtained from those potentially affected licensees prior to operation.
- (9) Operations in the 4.94-4.99 GHz band must be coordinated with the existing and future users to avoid interference.
- (10) Operating powers in the 2.4-2.4835 GHz and 5.725-5.875 GHz bands must comply with the limits authorized under Part 15 of the FCC rules.