

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

EXPERIMENTAL

(Nature of Service)

XD      FX

(Class of Station)

WC2XOG

(Call Sign)

0071-EX-ML-2004

(File Number)

NAME Microwave Radio Communications

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(defg) of the Commission's Rules

Station Locations

(1) US

Frequency Information

US

| Frequency        | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|------------------|---------------|---------------------|------------------|---------------------------|
| 150-162.0125 MHz | FX            |                     |                  |                           |
| 1990-2110 MHz    | FX            |                     |                  |                           |
| 2450-2500 MHz    | FX            |                     |                  |                           |
| 3650-4200 MHz    | FX            |                     |                  |                           |
| 4940-4990 MHz    | FX            | 8M00D3W             |                  |                           |

This authorization effective December 01, 2004 and  
will expire 3:00 A.M. EST February 01, 2006

**FEDERAL  
COMMUNICATIONS  
COMMISSION**



## Frequency Information

US

| Frequency       | Station Class | Emission Designator                                 | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|-----------------------------------------------------|------------------|---------------------------|
| 4940-4990 MHz   | FX            | 2M50D3W<br>8M00D7W<br>2M50D7W<br>6M00D7W<br>7M00D7X |                  |                           |
| 5925-7125 MHz   | FX            |                                                     |                  |                           |
| 10550-10680 MHz | FX            |                                                     |                  |                           |
| 10700-13250 MHz | FX            |                                                     |                  |                           |
| 17700-17800 MHz | FX            |                                                     |                  |                           |
| 17800-19700 MHz | FX            |                                                     |                  |                           |
| 21200-23600 MHz | FX            |                                                     |                  |                           |
| 24250-25250 MHz | FX            |                                                     |                  |                           |
| 31000-31300 MHz | FX            |                                                     |                  |                           |

## Frequency Information

US

| Frequency       | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|-----------------|---------------|---------------------|------------------|---------------------------|
| 37000-58200 MHz | FX            |                     |                  |                           |
| 59000-64000 MHz | FX            |                     |                  |                           |
| 65000-86000 MHz | FX            |                     |                  |                           |

## 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) The output power and channels shall be restricted not to exceed the limits specified in FCC Rule Parts 21, 74, 78, 90 and 101.
- (4) Operation in the bands shall be coordinated in accordance with CFR 47, part 25.251, part 25.203 and part 101.103 as applicable.
- (5) Operations under the authority of this assignment are subject to immediate adjustment, including cessation, if they result in harmful interference to FAA operations.
- (6) Operations in the 4940-4990 MHz band are subject to coordination with existing and future users to avoid interference.