

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

EXPERIMENTAL

(Nature of Service)

XT      FX

(Class of Station)

WI2XKR

(Call Sign)

0438-EX-PL-2016

(File Number)

NAME O3b Limited

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) Nationwide, US

Frequency Information

Nationwide, US

| Frequency     | Station Class | Emission Designator | Authorized Power | Frequency Tolerance (+/-) |
|---------------|---------------|---------------------|------------------|---------------------------|
| 27.6-28.4 GHz | FX            | 216MG7D<br>1M00G7D  | 1.59 MW (ERP)    | 0.0003 %                  |
| 28.6-29.1 GHz | FX            | 216MG7D<br>1M00G7D  | 1.59 MW (ERP)    | 0.0003 %                  |

Special Conditions:

- (1) 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.
- (2) Prior to operation, licensee must successfully coordinate with the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).

This authorization effective July 26, 2016 and  
will expire 3:00 A.M. EST August 01, 2018

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COMMUNICATIONS  
COMMISSION**



**Special Conditions:**

- (3) Prior to operation, the experimental licensee must notify all authorized satellite earth station operators within 25-mile radius of the testing, seven days in advanced for each test perform and provide a stop buzzer contact person. Consult MyIBFS database to identify all existing authorized earth stations within a 25-mile radius.
- (4) Operations to this authorization, the experimental licensee earth station antenna(s) are limited between 7 and 50 degrees' north latitude.
- (5) The minimum elevation angle of the direction of transmission of the experimental licensee antenna(s) with respect to the horizontal plane at which O3b's earth stations may transmit is 10 degrees.