

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

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI2XXD

(Call Sign)

0299-EX-CN-2017

(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) MOBILE: United States

Frequency Information

MOBILE: United States

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27.6-28.4 GHz	MO	1M00G7D 216MG7D	61.15 kW (ERP)	0.0003 %
28.6-29.1 GHz	MO	1M00G7D 216MG7D	61.15 kW (ERP)	0.0003 %

Special Conditions:

- (1) In accordance with 25.136, Fixed Satellite Service (FSS) operations are secondary to the Upper Microwave Flexible Use Service (UMFUS); unless, applicant demonstrate that operation would not cause additional interference to UMFUS licensees in accordance with 47 CFR, Part 25.136(a).
- (2) If the earth stations will transmit in spectrum bands shared with terrestrial operator, O3b will complete frequency coordination prior to testing.

This authorization effective July 06, 2017 and
will expire 3:00 A.M. EST July 01, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (3) All operations must be at fixed locations
- (4) In the 17.8-19.3 GHz frequency range, in order to protect Federal satellite services, the licensee shall communicate only with satellites whose operator has completed an agreement with Federal operators pursuant to footnote US334 of the U.S. Table of Frequency Allocations, 47 C.F.R. § 2.106, and that agreement has been approved by both the Federal Communications Commission and the National Telecommunications and Information Administration. The licensee's operations pursuant to this authorization shall be consistent with such US334 agreements.
- (5) EIRP density must be reduced to conform with the 2 degrees off axis eirp density limit establish in 47 CFR, Part 25.218 within 5 degrees of the geostationary (GSO) orbit.