

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

EXPERIMENTAL

(Nature of Service)

WL2XNQ

(Call Sign)

XT FX MO

(Class of Station)

0008-EX-CN-2021

(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) Manassas, VA - NL 38-47-46; WL 77-34-36; MOBILE: Within 1.6 km of coordinates
Manassas, VA, within 1.6 km, centered around NL 38-47-46; WL 77-34-36
- (2) Port St. Lucie, FL - NL 27-16-55; WL 80-28-59; MOBILE: Within 1.6 km of coordinates
Port St. Lucie, FL, within 1.6 km, centered around NL 27-16-55; WL 80-28-59

Frequency Information

Manassas, VA - NL 38-47-46; WL 77-34-36; MOBILE: Within 1.6 km of coordinates Manassas, VA, within 1.6 km, centered a

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-30000 MHz	FX	6M00G7D	49.3 W (ERP)	0.0003 %
27500-30000 MHz	MO	6M00G7D	49.3 W (ERP)	0.0003 %

This authorization effective February 19, 2021 and
will expire 3:00 A.M. EST March 01, 2023

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Port St. Lucie, FL - NL 27-16-55; WL 80-28-59; MOBILE: Within 1.6 km of coordinates Port St. Lucie, FL, within 1.6 km, cent

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
27500-30000 MHz	MO	6M00G7D	49.3 W (ERP)	0.0003 %
27500-30000 MHz	FX	6M00G7D	49.3 W (ERP)	0.0003 %

Special Conditions:

- (1) The occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (2) 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.
- (3) Licensee must secure consents from the Upper Microwave Flexible Use Service licensees in the proposed area prior to accessing to 27.5-28.35 GHz
- (4) Licensee must coordinate with Fixed Microwave Service licensees in accordance with 47 C.F.R, Part 101.103(d) prior to commencing experimental operations.
- (5) This authorization SUPERSEDES the previously issued authorization with the same call sign and file number: amended condition
- (6) Licensee is authorized to conduct on-the-ground tests of three GetSat Millisat H terminals for fixed and short-range mobile operations at and within 1.6 km of its testing facilities in Manassas, VA and Port St. Lucie, FL
- (7) Point of communications: O3b's non-geostationary orbit space stations (NGSO) satellite constellation (Call Sign S2935)
- (8) The angular separation between the O3b orbit and the GSO orbit, as seen from Port St. Lucie, FL- NL 27-16-55; WL 80-28-59 and as seen from Manassas, VA- NL 38-47-46; WL 77-34-36 shall not be less than that required by the O3b satellite system license.
- (9) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (10) The authorized power and EIRP operated by the authorized station (GetSat Millisat H terminal) must not exceed 49.3 W (ERP) and 19.1 dBW EIRP for the emission designator 6M00G7D.