

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
SPECIAL TEMPORARY AUTHORIZATION**

EXPERIMENTAL

(Nature of Service)

XT MO

(Class of Station)

WI9XWL

(Call Sign)

1553-EX-ST-2018

(File Number)

NAME O3b Limited

This Special Temporary Authorization is granted upon the express condition that it may be terminated by the Commission at any time without advance notice or hearing if in its discretion the need for such action arises. Nothing contained herein shall be construed as a finding by the Commission that the authority herein granted is or will be in the public interest beyond the express terms hereof.

This Special Temporary Authorization shall not vest in the grantee any right to operate the station nor any right in the use of the frequencies designated in the authorization beyond the term hereof, nor in any other manner than authorized herein. Neither the authorization nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This authorization is subject to the right of use of control the Government of the United States conferred by Section 706 of the Communications Act of 1934.

Special Temporary Authority is hereby granted to operate the apparatus described below:

Purpose Of Operation:

O3b and its customers will continue to evaluate how the multi-band, multi-orbit maritime terminals respond to this new service delivery method and troubleshoot any complications that may arise.

Station Locations

- (1) MOBILE: Maritime vessels along the U.S. east coast and around U.S. territories in the Caribbean

Frequency Information

MOBILE: Maritime vessels along the U.S. east coast and around U.S. territories in the Caribbean

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5.925-6.425 GHz	MO	54M0G7D 36M0G7D	1798.87 kW (ERP)	1.0E-6 %
14-14.5 GHz	MO	54M0G7D 36M0G7D	668.34 kW (ERP)	1.0E-6 %

This authorization effective September 26, 2018 and
will expire 3:00 A.M. EST March 26, 2019

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Maritime vessels along the U.S. east coast and around U.S. territories in the Caribbean

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.35-28.4 GHz	MO	1M00G7D 50M0G7D	2317.39 kW (ERP)	0.0003 %
28.6-29.1 GHz	MO	1M00G7D 216MG7D	2540.97 kW (ERP)	0.0003 %

Special Conditions:

- (1) All transmitting and/or receiving equipment used in the study shall be owned by the licensee.
- (2) Licensee is required to ensure that trial devices are either rendered inoperable or retrieved by them from trial participants at the conclusion of the trial. Licensee is required to notify trial participants in advance that operation of the trial device is subject to this condition.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) 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.
- (6) Experimental station shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.
- (7) Prior to operations, O3b must notify and obtained written consents from ViaSat, Inc., Hughes/EchoStar, Inmarsat, SES and any other U.S. authorized co-channel Ka-band satellite operators at least one week prior to any transmit testing, and provide emergency contact information.
- (8) Prior to testing/operation, when the earth stations will transmit in spectrum bands shared with terrestrial operators, O3b must notify the terrestrial operators and complete frequency coordination with terrestrial operators .
- (9) Communication between the authorized stations and O3b satellite using the authorized frequency bands must be in compliance with all existing and future space station coordination agreements between the O3b and potential affected satellite and terrestrial operators.
- (10) Operations must comply with Sections 25.221 and 25.222 of the Commissions' rules.
- (11) Stop Buzzers: SES Payload Management Operations Centre, 1 (410) 970-7580; email: PMOC@ses.com and O3b Network Operations Center, 1 (703) 366-1500.

Special Conditions:

- (12) The authorized station must be in compliance with environmental requirement set forth in Section 1.1307 of the Commission's Rules.
- (13) The authorized station must be in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules.
- (14) This authorization is without prejudice to any determination that the Commission may make regarding pending or future experimental satellite earth station applications.
- (15) Operations are on a non-interference basis (NIB) and shall not cause harmful interference to, and shall not claim protection from, interference caused to it by any other lawfully operating station and it shall cease transmission(s) immediately upon notice of such interference and notify the FCC in writing.
- (16) Licensee must successfully coordinate with the local Society of Broadcast Engineers frequency coordinator and the existing and future Fixed Microwave Service licensees in accordance with 47 CFR, Part 101.103(d).