

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

EXPERIMENTAL

(Nature of Service)

XT FX

(Class of Station)

WS9XSG

(Call Sign)

1476-EX-ST-2021

(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 seeks an STA for a period of six months, beginning on October 10, 2021, to permit O3b to operate one CGC 5.5-meter antenna in Haleiwa, HI for testing and evaluation purposes.

Station Locations

(1) Haleiwa (HONOLULU), HI - NL 21-40-11; WL 158-01-58

Frequency Information

Haleiwa (HONOLULU), HI - NL 21-40-11; WL 158-01-58

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
28.4-28.6 GHz	FX	54M0G7D 200MG7D	170 W (ERP)	0.5 %
29.5-30 GHz	FX	54M0G7D 500MG7D	170 W (ERP)	0.5 %

This authorization effective October 27, 2021 and
will expire 3:00 A.M. EST April 11, 2022

**FEDERAL
COMMUNICATIONS
COMMISSION**



Special Conditions:

- (1) In lieu of frequency tolerance, 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 is authorized to conduct tests on one CGC 5.5 meter antenna with SES Americom, Inc.'s AMC-15 satellite in the 28.4-28.6 GHz and 29.5-30 GHz frequency bands.
- (4) Points of Communication: AMC-15 satellite at 105.05° W.L. (Call Sign S2180) operating in the 28.4-28.6 GHz and 29.5-30 GHz frequency bands.
- (5) The operation of the CGC 5.5-meter antenna is limited to the flowing:

Frequency band density:	Emission	authorized power	EIRP	EIRP
28.4-28.6 GHz dMW/4kHz	54M0G7D	19275249 W (ERP)	75 dBW	33.77
29.5-30 GHz dMW/4kHz	54M0G7D	19275249 W (ERP)	75 dBW	33.77
28.4-28.6 GHz dMW/4kHz	200MG7D	72610595.7 W (ERP)	80.76 dBW	33.77
29.5-30 GHz 33.77 dMW/4kHz	500MG7D	181551566.3 W (ERP)	84.74 dBW	

- (6) No automatic renewal for this license.
- (7) O3b Limited shall coordinate with the Fixed Microwave Service licensees in the proposed venue in accordance with 47 C.F.R, Part 101.103(d) prior to operation in the requested bands.