

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Hawaii Gateway - 30 Day STA

1. Applicant

Name:	O3b Limited	Phone Number:	202-813-4026
DBA Name:		Fax Number:	
Street:	900 17th Street, NW, #300	E-Mail:	suzanne.malloy@o3bnetworks.com
City:	Washington	State:	
Country:	USA	Zipcode:	
Attention:	Ms Suzanne Malloy		

30 days "With conditions"
File # SES-STA-20190214-00174

Call Sign E100088 Grant Date 03/13/2019
(or other identifier)

Term Dates
From: 03/22/2019 To: 04/24/2019

Approved: [Signature]



GRANTED
International Bureau

2. Contact	
Name: O3b Limited	Phone Number: 202-813-4026
Company: 900 17th Street, NW, #300	Fax Number:
Street: Washington	E-Mail: suzanne.malloy@o3bnetworks.com
City: USA	State:
Country:	Zipcode: -
Attention:	Relationship:
(If your application is related to an application filed with the Commission, enter either the file number or the IB Submission ID of the related application. Please enter only one.)	
3. Reference File Number SESMOD2019020700084 or Submission ID	
4a. Is a fee submitted with this application?	
<input checked="" type="radio"/> If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114). <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial educational licensee <input type="radio"/> Other (please explain):	
4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station	
5. Type Request	
<input checked="" type="radio"/> Use Prior to Grant <input type="radio"/> Change Station Location <input type="radio"/> Other	
6. Requested Use Prior Date	
03/22/2019	

7. City	Haleiwa
8. Latitude (dd mm ss.s h)	21 40 17.8 N
9. State	HI
10. Longitude (dd mm ss.s h)	158 1 54.9 W
11. Please supply any need attachments. Attachment 1: Form 312 Attachment 2: Attachment 3:	
12. Description. (If the complete description does not appear in this box, please go to the end of the form to view it in its entirety.) <div style="border: 1px solid black; padding: 5px; min-height: 100px;"> Pursuant to its pending earth station modification at the same location (Call Sign </div>	
13. By checking Yes, the undersigned certifies that neither applicant nor any other party to the application is subject to a denial of Federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Act of 1988, 21 U.S.C. Section 862, because of a conviction for possession or distribution of a controlled substance. See 47 CFR 1.2002(b) for the meaning of "party to the application"; party to the application; for these purposes.	
14. Name of Person Signing Suzanne Malloy	
15. Title of Person Signing Vice President, Regulatory Affairs WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND / OR IMPRISONMENT (U.S. Code, Title 18, Section 1001), AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).	

Yes No

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

The public reporting for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the required data, and completing and reviewing the collection of information. If you have any comments on this burden estimate, or how we can improve the collection and reduce the burden it causes you, please write to the Federal Communications Commission, AMD-PERM, Paperwork Reduction Project (3060-0678), Washington, DC 20554. We will also accept your comments regarding the Paperwork Reduction Act aspects of this collection via the Internet if you send them to PRA@fcc.gov. PLEASE DO NOT SEND COMPLETED FORMS TO THIS ADDRESS.

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THE FOREGOING NOTICE IS REQUIRED BY THE PAPERWORK REDUCTION ACT OF 1995, PUBLIC LAW 104-13, OCTOBER 1, 1995, 44 U.S.C. SECTION 3507.

Applicant: O3b Limited
Call Sign : E100088
File No.: SES-STA-20190214-00174
Special Temporary Authority ("STA")



File # SES-STA-20190214-00174
Call Sign E100088 Grant Date 03/13/20
(or other identifier)
Term Dates
From: 03/22/2019 To: 04/21/2020
Approved: Paul E. [Signature]

O3b Limited ("O3b") is granted STA to operate for 30 days using a 7.3m antenna at geographic coordinates 21° 40' 17.8"N/ 158° 01' 54.9"W in Haleiwa, Hawaii to conduct in-orbit testing of O3b 17-20 NGSO satellites in the Fixed Satellite Service (FSS) on frequency bands 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) under the following conditions:

1. Operations are limited to the parameters proposed in the STA request and must comply with the conditions set forth in O3b Limited, Order and Declaratory Ruling, FCC 18-70 (rel. June 6, 2018).
2. Operations shall be using antenna Viasat model MEO7 with transmit antenna gain of 65.71 dBi @29.75 GHz and receive antenna gain of 63.72 dBi@ 19.95 GHz.
3. Operations are on a secondary basis and O3b must not cause harmful interference to stations operating on a primary basis and must not claim protection from stations operating on a primary basis secondary.
4. The licensee shall take all necessary measures to ensure that the antenna does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR 1.1307(b) and 1.1310 wherever such exposures might occur. Measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.
5. Grant of this authorization is without prejudice to any determination that the Commission may make regarding any pending or future application from O3b.
6. Any action taken or expense incurred as a result of operations pursuant to this STA is solely at O3b's risk.

This action is issued pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 C.F.R. § 0.261, and is effective immediately.