

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
Hawaii Gateway - 180 Day STA

I. 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 | | |

"With conditions"

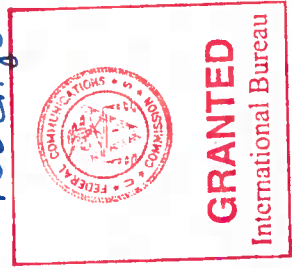
180 days

File # SES-STA-20190214-00175

Call Sign E10088 **Grant Date** 04/15/2019
(or other identifier)

Term Dates
From: 04/22/2019 **To:** 10/18/2019

Approved: *[Signature]*



2. Contact

Name: O3b Limited **Phone Number:** 202-813-4026
Company: **Fax Number:**
Street: 900 17th Street, NW, #300 **E-Mail:** susanne.malloy@o3bnetworks.com
City: Washington **State:**
Country: USA **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?

If Yes, complete and attach FCC Form 159. If No, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114).

Governmental Entity Noncommercial educational licensee
 Other (please explain):

4b. Fee Classification CGX – Fixed Satellite Transmit/Receive Earth Station

5. Type Request

Use Prior to Grant Change Station Location 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.) Pursuant to its pending earth station modification at the same location (Call Sign | |
| 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"; for these purposes. Yes <input checked="" type="radio"/> No <input type="radio"/> | |
| 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). | |

FCC NOTICE REQUIRED BY THE PAPERWORK REDUCTION ACT

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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-20190214-00175
Special Temporary Authority ("STA")

O3b Limited ("O3b") is granted STA to operate for 180 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.



"with conditions"

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