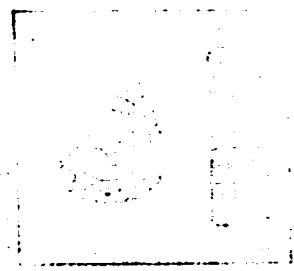


Reference: _____

From: To:
John Price
(or other subject)
Call Sign or Date



O3b Limited

SES-STA-20171011-01135

IB2017002876

Approved by OMB
3060-0678

APPLICATION FOR EARTH STATION SPECIAL TEMPORARY AUTHORITY

APPLICANT INFORMATION Enter a description of this application to identify it on the main menu:
O3b STA to use 1.2m at Bristow (Jan 2014)

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		


30 days *"With conditions"*

File # SES-STA-20171011-01135

Call Sign N/A Grant Date 10/13/2017
(or other identifier)

Term Dates
From: 10/11/2017 To: 11/10/2017

Approved: *Paul E. Hayes*



Emergency STA Conditions of Grant

Company: O3b

Name/Title: Will Lewis, Regulatory Council

Telephone: 202-813-4033;

E-mail: will.lewis@ses.com;

24/7 Contact Name: Hung Tran

24/7 Contact Phone: 1.571.364.5281;

hung.tran@o3bnetworks.com

O3b's request for Special Temporary Authority for an earth station located at Ceiba, Puerto Rico (18°14'24"N, 65°37'48" W) to support restoration of wireless communications in Puerto Rico is GRANTED WITH CONDITIONS. This authority begins October 11, 2017 and ends November 10, 2017.

1. All operations under this STA are on an unprotected and non-harmful interference basis.
2. Operations are limited to the following frequency bands

Earth-to-Space Frequency (E-S Transmit)	Space-to-Earth Frequency (E-S Receive)
27.652-27.868 GHz	17.852-18.068 GHz
27.912-28.128 GHz	18.112-18.328 GHz

3. Operations shall be in accordance with conditions of operation contained in File No. SES-LiC-20160712-00640, call sign E160129.
4. The Point of Communication is limited to the O3b satellite constellation.
5. O3b must coordinate its operations so that no harmful interference is caused to any other lawfully operating satellites or radiocommunication systems. O3b shall contact the following personnel prior to initiation of service for such coordination:
FCC: Roberto Mussenden (202-391-2220 (BB); 703-585-2086 (cell); 8816-41-479183 (Sat phone))
FEMA: Jarrett Devine (Jarrett.Devine@fema.dhs.gov)
O3b shall cease operations immediately upon notification of such interference and inform the Commission in writing immediately of such an event.
6. O3b must take all reasonable and customary measures to ensure that the earth station(s) do(es) not create a potential for harmful non-ionizing radiation to persons who may be in the vicinity of the earth station when it is in operation. At a minimum, permanent warning labels shall be fixed to the earth station and its housing warning of the radiation hazard and including a diagram showing the regions around the earth station where radiation levels could exceed 1.0mW/cm². The earth station operator shall be responsible for assuring that individuals do not stray into the regions around the earth station where there is a potential for exceeding the maximum permissible exposure limits required by 47 C.F.R. § 1.1310.
7. Any action taken or expense incurred as a result of operations pursuant to this special authority is solely at O3b's own risk.
8. The grant of the verbal STA request was issued in accordance with emergency procedures put in place to provide communications in areas affected by Hurricane Maria. To ensure that the Commission has a complete record of the request and action taken, O3b is directed to file an electronic version of its STA request submitted through IBFS as soon as possible.


9. This STA may be terminated at the International Bureau's discretion, without a hearing, if conditions warrant. Under no circumstances may the facility(ies) authorized violate the terms of an international agreement or treaty. If an application for permanent authority is on file with the Commission, this action is taken without prejudice to that application. The applicant is required to post and/or retain a copy of this authorization as required by the Commission's Rules.
10. This grant 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.

Granted by

Kathryn Medley

Kathryn Medley, Chief
Satellite Engineering Branch

30 days *"with conditions"*

 GRANTED International Bureau	File # <u>SES-STA-20171011-D1135</u>
	Call Sign <u>N/A</u> Grant Date <u>10/13/2017</u> (or other identifier)
	Term Dates
	From: <u>10/11/2017</u> To: <u>11/10/2017</u>
	Approved: <u><i>Paul E. Hiles</i></u>

REQUEST FOR SPECIAL TEMPORARY AUTHORITY

O3b Limited (“O3b”), pursuant to Section 25.120 of the Commission’s rules, hereby respectfully requests special temporary authority (“STA”) to operate an earth station in Ceiba, Puerto Rico (“PR 2.4m Earth Station”) that will communicate with its satellite system, which has been authorized to serve the U.S. market.¹ In this filing, O3b seeks a 30-day STA for the period between October 11, 2017 and November 10, 2017.

The PR 2.4m Earth Station will be integrated into a temporary system with other operators to help restore local wireless service in Puerto Rico. As discussed below, grant of the requested authority is in the public interest as it will allow O3b to provide services that will benefit the population in Puerto Rico as it recovers from the recent hurricanes and rebuilds its telecommunications infrastructure.

Operational Details and Public Interest Showing

The PR 2.4m Earth Station will communicate with O3b’s UK-authorized, Ka-band, Medium Earth Orbit, non-geostationary satellite orbit (“NGSO”) Fixed-Satellite Service (“FSS”) system and O3b’s gateway earth station in Hortlandia, Brazil.

The frequencies to be used by the PR 2.4m Earth Station are:

- 27.6-28.4 GHz (uplink)
- 17.8-18.6 GHz (downlink)

The PR 2.4m Earth Station will consist of two (2) 2.4-m AvL antennas. O3b has previously been granted a license to operate an identical 2.4-m earth station at the O3b facility in Manassas, Virginia.²

In the aftermath of Hurricane Maria, Puerto Rico lost most of its wireless coverage across the island, leaving residents without cellphone service.³ In recent reports, the Commission estimates that the vast majority of cell sites remain out of service.⁴ Grant of this STA request will serve the public interest because the PR 2.4m Earth Station will be used to bring local wireless networks in Puerto Rico online while the terrestrial infrastructure is being repaired.

¹ See Applications of O3b Limited, Call Sign S2935, IBFS File Nos. SAT-LOI-20141029-00118 and SAT-AMD-20150115-00004 (the “U.S. Market Access Petition”), granted Jan. 22, 2015 (the “Market Access Grant”).

² *O3b Limited*, Call Sign E160129, File Nos. SES-LIC-20160712-00640 (granted Nov. 7, 2016) (the “Manassas AvL Earth Station”).

³ See Elizabeth Weise, *Puerto Rico is nearly entirely cut off from cellphone service, leading to low tech solutions*, (Sept. 28, 2017), <https://www.usatoday.com/story/tech/2017/09/28/puerto-rico-cell-phone-service-tmobile-att-hurricane/710775001/>.

⁴ See, e.g., “Communications Status Report for Areas Impacted by Hurricane Maria,” (rel. Oct. 7, 2017), available at: https://apps.fcc.gov/edocs_public/attachmatch/DOC-347131A1.pdf.

2. Contact

Name:	Will Lewis	Phone Number:	202-8134033
Company:	O3b Limited	Fax Number:	
Street:	900 17th St. NW, #300	E-Mail:	will.lewis@o3bnetworks.com
City:	Washington	State:	DC
Country:	USA	Zipcode:	20006 -
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 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

10/11/2017

7. City Ceiba

8. Latitude

(dd mm ss.s h) 18 14 24.0 N

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