



May 15, 2018

VIA ELECTRONIC FILING

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: O3b Limited
IBFS File No. SES-LIC-20180122-00053
Call Sign: E180005

Dear Ms. Dortch:

Pursuant to ongoing communications with the Commission's Satellite Division, O3b Limited ("O3b") hereby submits additional maps in connection with its demonstration that the E180005 earth station satisfies the standards of Section 25.136(a) of the Commission's rules and that O3b is not required to protect future Upper Microwave Flexible Use Service ("UMFUS") deployments in the 27.6-28.35 GHz band.

In its application for this earth station, O3b made a showing pursuant to 47 C.F.R. § 25.136(a), which describes the circumstances that allow an earth station licensee to operate without being obligated to protect UMFUS stations. *See* File No. SES-LIC-20180122-00053, granted March 8, 2018. Specifically, Attachment 3 to the application demonstrated that the E180005 earth station satisfies the criteria in Section 25.136(a)(4) and is therefore qualified to operate without providing interference protection to UMFUS stations.

The original submission included a map that displayed the census blocks that are within the E180005 earth station's power flux density ("PFD") contour and have a population greater than zero. Attached in Annex A to this letter are additional maps which show (1) the census blocks located in the south-eastern portion of Hawaii County and (2) an intersection of the PFD contour and all the census blocks, including those with no population, in the south-eastern portion of Hawaii County.

O3b is submitting these maps, which present previously submitted census data as a graphic overlay, in order to clarify and further contextualize the original showing in the E180005 earth station application. Please address any questions regarding this matter to the undersigned.

Respectfully submitted,

/s/ Suzanne Malloy
Vice President of Regulatory Affairs
O3b Limited
900 17th Street NW, Suite 300
Washington, DC 20006

Annex A – Additional Maps of E180005 PFD Contour and Surrounding Census Blocks

Image 1 shows the census blocks for the south-eastern part of Hawaii County. Each polygon, shown by the yellow outline, represents a different census block. Each block contains the block ID information and population data.

Image 1: Census Blocks for the area surrounding the E180005 Earth Station

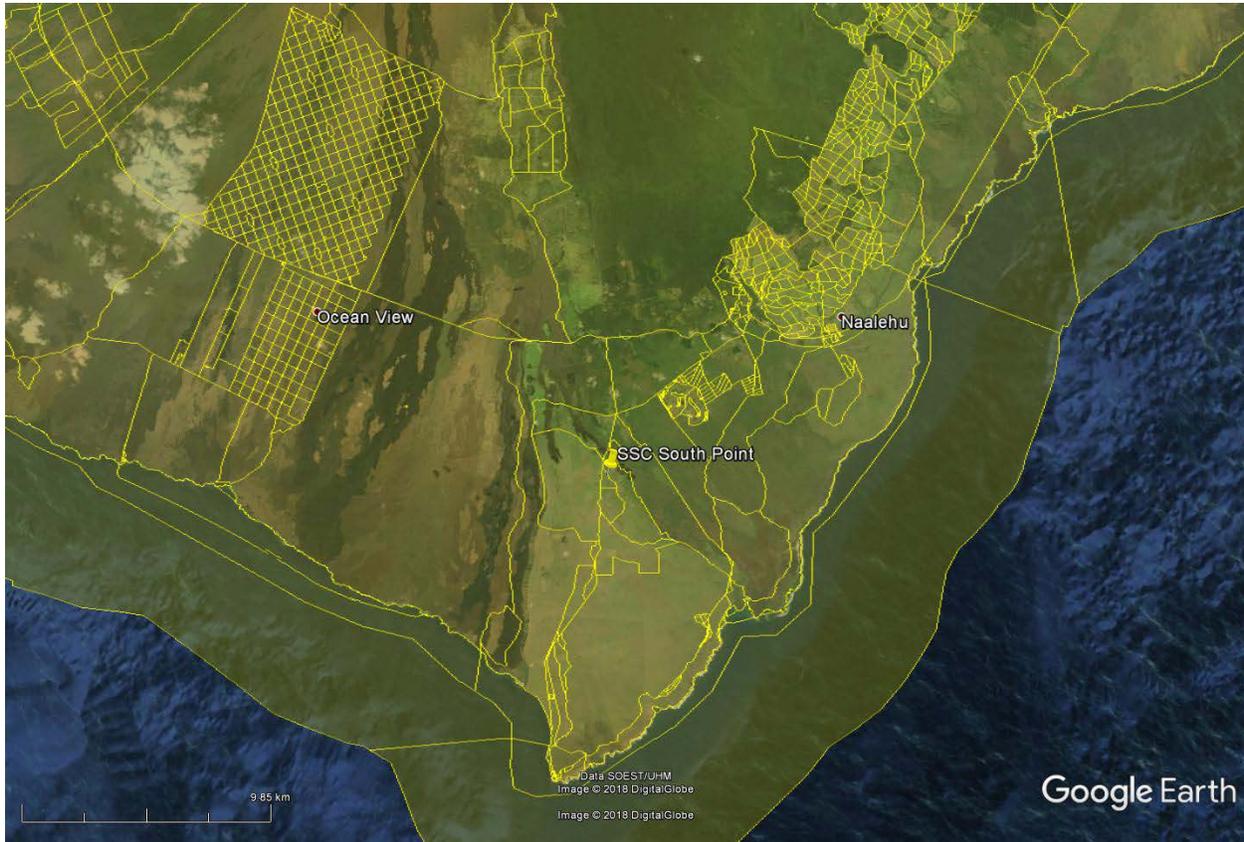
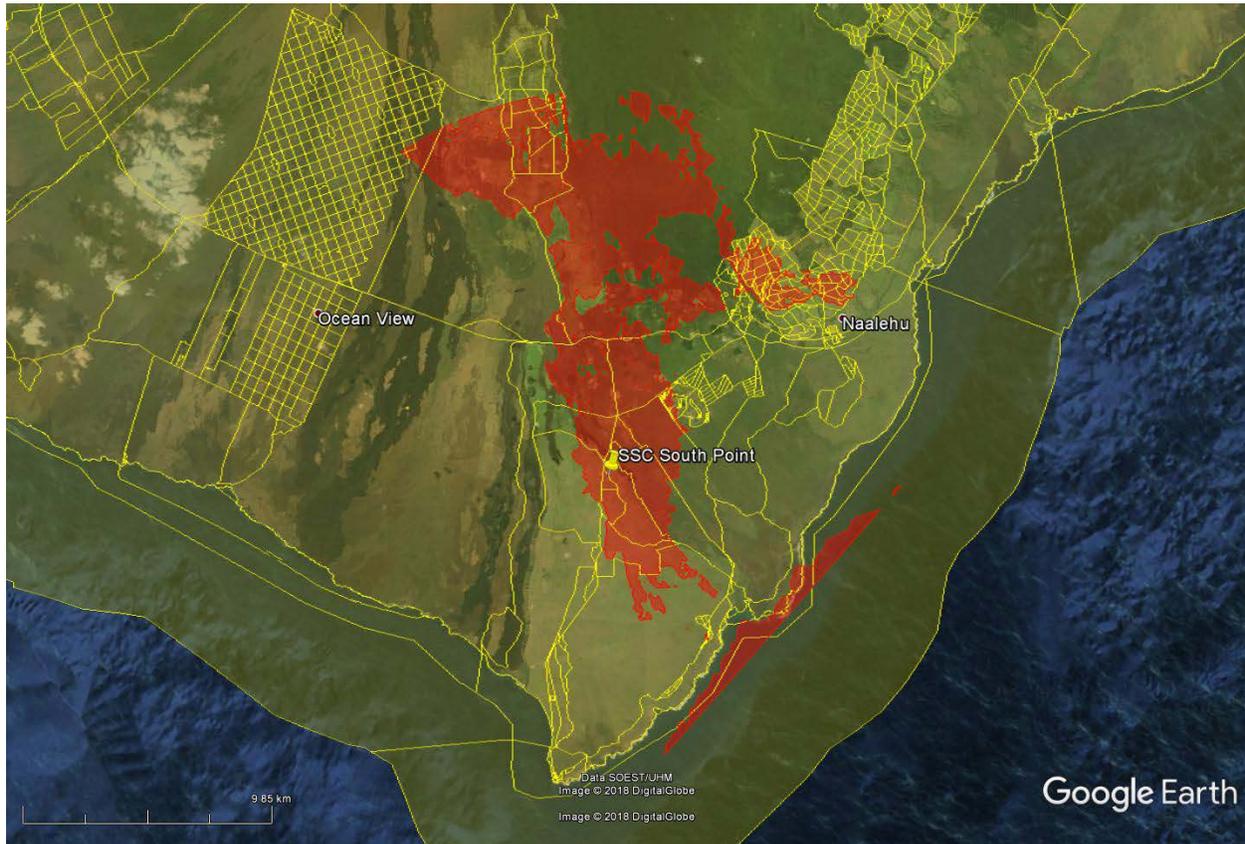


Image 2 shows the E180005 PFD contour generated by Visualyse Pro software over the same area and census blocks shown in Image 1.

Image 2: The intersection of the local census blocks and the E180005 Earth Station PFD Contour



The original image submitted in the technical annex of the E180005 Application was generated using SES proprietary software to demonstrate the intersection of populated census blocks and the E180005 Earth Station PFD contour. The resulting census blocks that are (1) within the PFD contour and (2) have a population greater than zero were shown in the original license application.