

From: Noah Cherry

To: Nimesh Sangani

Date: July 28, 2021

Subject: Additional Information Request

Message:

July 28, 2021

VIA ELS

Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, S.W.
Washington, DC 20554

Re: Response to Additional Information Request RE: 0331-EX-CN-2021; Correspondence
Reference Number 63099

Dear Ms. Dortch:

O3b Limited ("O3b") hereby provides responses to additional information request from the
Office of Engineering and Technology as copied below:

Applicant: O3b Limited
File Number: 0331-EX-CN-2021
Correspondence Reference Number: 63099
Date of Original Email: 07/01/2021

Please address the following questions and concerns: 1) Please provide the size (meter), antenna gain (dBi) of the GetSat Microsat, GetSat Nanosat H, and Intellian X130D antennas. 2) Please provide Specification data sheet from manufacture or the antenna patterns for GetSat Microsat, GetSat Nanosat H, and Intellian X130D antennas: (A) Co-polarized gain in the azimuth plane must be measured across a range extending to 180°; on each side of the main-lobe axis, and the measurements must be represented in two plots: one across the entire angular range of ±180° from the main-lobe axis and the other across ±10° from the main-lobe axis. (B) Co-polarized gain must be measured from 0° to 30°; from beam peak in the elevation plane. (ii) Cross-polarization gain must be measured across a range of plus and minus 7°; from beam peak in the azimuth and elevation planes.

Please see attached this letter with a chart indicating providing the requested information or indicating the location of information responsive to each request if that information is contained in one of the annex attachments being submitted in tandem with this letter.

Please let me know if you have any questions or need any further information.

Respectfully submitted,

/s/ Noah Cherry
Senior Legal & Regulatory Counsel
O3b Limited
1129 20th Street, NW #1000
Washington, D.C. 20036
(571) 229-0879

Enclosures:

Annex A – Intellian Antenna Test Report V1.2
Annex B – NanoSat Spec Sheet
Annex C – MicroSat Spec Sheet
Annex D (1-3) – Nanosat H Antenna Skew
Annex E – Microsat Antenna Skew

 