

To: Mariah Shuman  
E-Mail: mariah@oneweb.net  
From: Nimesh Sangani  
Date: May 07, 2019

Subject: Additional Information Request

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Message:

IB has requested the following information.

(1) Please provide call sign and IBFS file no. for the 0.75 meter and 1.0 meter antennas. If there is no call sign, please provide off-axis EIRP power spectral density ("PSD") standards (the "off-axis mask") set forth in §25.218(f) or the requirements set forth in §25.220 (Non-routine transmit/receive earth station operations) of the Commission's rules.

(2) Please demonstrate that operations for an single or aggregate transmissions will be in compliance with the requirements set forth in Section 25.212( c)(2) of the Commission's Rules: the input power spectral density into the antenna must not exceed -14 dBW/4 kHz.

(3) Please demonstrate that your proposed operations in the 14.0-14.5 GHz frequency band via WorldVu Satellites Limited ("OneWeb")'s NGSO satellites will be in compliance with the equivalent power Flux-density limit (-160 dBW/m<sup>2</sup>/40 KHz) in Article 22.5D of the ITU Radio Regulations (see Annex B of attachment and O3b Limited's epcf demonstration in its experimental application 0712-EX-ST-2019 for reference).

(4) Please provide the detail calculation, data/number/value and formula that used to calculate the EPFD for the 14.0-14.5 GHz frequency band, emissions (20M0G7D and 40M0G7D) and its associated powers (2.22kW (ERP) and 4.42kW (ERP)).

(5) Please certify that your proposed operations and communication between earth stations (user terminals) and satellites are in compliance with all existing and future coordination agreements between United Kingdom and other administrations, GSO and NGSO satellite operators.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of May 07, 2019 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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