

To: Blake Wiles  
E-Mail: regulatorylicensing@oneweb.net  
From: Doug Young  
Date: October 26, 2021

Subject: Request for Info - File # 1708-EX-ST-2021

---

Message:

The FCC's International Bureau/Satellite Division requests the following information:

Please provide Specification data sheet from manufacture or the antenna pattern performances of proposed antenna.

() Please certify that your proposed operations in the 14-14.5 GHz band will meet the equivalent power Flux-density levels limit (-160 dBW/m<sup>2</sup> in 40 kHz bandwidth) in the Table 22-2 of Article 22, Section II, of the ITU radio Regulations. Please provide the following uplink information that used to conduct in the EPFD calculation:

- a. a maximum input power spectral density (dBW/40kHz and dBW/4kHz) for earth station,
- b. the minimum separation angle between the OneWeb NGSO orbit and the GSO arc (degrees),
- c. the off-axis gain (dBi) (32-25log(?)) transmitting from earth station),
- d. the off-axis EIRP density towards the GSO (dBW/40kHz and dBW/4kHz),
- e. the spreading loss
- f. the minimum elevation angle from Raytheon antenna at McLean, FAIRFAX, VA- NL 38-55-19; WL 77-13-59 to the GSO orbit/ satellite
- g. the minimum elevation angle from Raytheon antenna at Bethesda, MD- NL 39-01-41; WL 77-08-07 to the GSO orbit/ satellite
- h. the minimum elevation angle from Raytheon antenna at Cedar Rapids, IA- NL 42-01-55; WL 91-38-53 to the GSO orbit/ satellite
- i. the maximum EIRP density radiated towards a victim GSO satellite at any point on the GSO arc.

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 October 26, 2021 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

DO NOT Reply to this email by using the 'Reply' button. In order for your response to be processed expeditiously, you must upload your response via the Internet at <https://apps.fcc.gov/oetcf/els/index.cfm> by clicking on the "Reply to Correspondence" hyperlink.

Responses to this correspondence must contain the Reference number : 65349