

To: Mariah Shuman  
E-Mail: mariah@oneweb.net  
From: Nimesh Sangani  
Date: June 10, 2019

Subject: Additional Information Request

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Message:

We would like the following information:

A) For operations in the 14-14.5 GHz band,

1) Please reduce the power of emission 113MG7D from 7.67kW (ERP), and 58kW (ERP) and to 2780W(ERP),

2) or demonstrate that your proposed operations of emission 113MG7D with power 7.67kW (ERP) and 58kW (ERP) via OneWeb's NGSO satellites will be in compliance with the equivalent power Flux-density limit (-160 dBW/m<sup>2</sup>/40 KHz) of 47 CFR § 25.208(k) Article 22.5D of the ITU Radio Regulations. Also, please provide the detail calculation, data/number/value and formula that used to calculate the result of EPFD levels,

3) or remove the proposed operation.

B) For operations in the 27.5-28.6 GHz and 29.5-30 GHz frequency bands,

1) Please reduce the power of emission 113MG7D from 153.1kW (ERP) to 1750W (ERP),

2) or demonstrate that your proposed operations of emission 113MG7D with power 153.1kW (ERP) via OneWeb's NGSO satellites will be in compliance with the equivalent power Flux-density limit (-162 dBW/m<sup>2</sup>/40 KHz) of 47 CFR § 25.208(k) Article 22.5D of the ITU Radio Regulations. Also, please provide the detail calculation, data/number/value and formula that used to calculate the result of EPFD levels,

3) or remove the proposed operation.

C) For operations in the 27.5-28.6 GHz and 29.5-30 GHz frequency bands,

1) Please reduce the power of emission 250MG7D from 193kW (ERP) to 3850W (ERP),

2) or demonstrate that your proposed operations of emission 113MG7D with power 153.1kW (ERP) via OneWeb's NGSO satellites will be in compliance with the equivalent power Flux-density limit (-162 dBW/m<sup>2</sup>/40 KHz) of 47 CFR § 25.208(k) Article 22.5D of the ITU Radio Regulations. Also, please provide the detail calculation, data/number/value and formula that used to calculate the result of EPFD levels,

3) or remove the proposed operation.

D) 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 June 10, 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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