

From: Gunnar Halley

To: Behnam Ghaffari
Date: August 03, 2020

Subject: FCC File No. 1134-EX-ST-2020

Message:

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Dear Mr. Ghaffari:

Microsoft Infrastructure Group LLC ("Microsoft") hereby submits its response to the Commission's request for further information regarding its pending application for experimental Special Temporary Authority ("STA") to test and demonstrate the capabilities of Microsoft Azure's cloud computing network for the direct reception and processing of data from the Deimos-2 Earth Observation satellite. Microsoft has provided its answers to the Commission's inquiries below:

1. Provide the S-band (2200-2290 MHz) and X-band (8025-8400 MHz) downlink ERP and emission designator from the Deimos-2 (Spanish) satellite.

S-Band downlink:

- Equivalent Isotropic Radiated Power (EIRP): -7dBW
- Emission designator: 65K0A3D

X-Band downlink:

- Equivalent Isotropic Radiated Power (EIRP): 17 dBW
- Emission designator: 130MA3D

2. The Orbital Debris information and the ITU filing name for the Deimos-2.

The Orbital Debris information is available under the "Exhibits List" section of the online application

portal: https://apps.fcc.gov/oetcf/els/reports/ViewExhibitReport.cfm?id_file_num=1134-EX-ST-2020&application_seq=101627

The ITU filing name for the Deimos-2 satellite is DEIMOS-2.

Respectfully submitted,

Microsoft Infrastructure Group LLC
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