

From: Gunnar Halley

To: Behnam Ghaffari
Date: August 14, 2020

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

Message:

Re: Request for Further Information; File No. 1134-EX-ST-2020

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 answer to the Commission's inquiry below:

Please provide the transmit power, ERP, and emission designators for Brewster WA and Deimos-2 for each proposed frequency bands.

Designator	Frequency	Transmit power	EIRP*	Bandwidth	Emission
S-band Uplink 65K0G1D	2032.6 MHz	16.9 dBW	53.4 dBW	65 kHz	
S-band Downlink 1	2224 MHz	-5 dBW	-7 dBW	65 kHz	65K0G1D
S-band Downlink 2	2228 MHz	-5 dBW	-7 dBW	65 kHz	65K0G1D
S-band Downlink 3	2234 MHz	-5 dBW	-7 dBW	65 kHz	65K0G1D
X-band Downlink 1	8090 MHz	2 dBW	17 dBW	130 MHz	130MG1D
X-band Downlink 2	8220 MHz	2 dBW	17 dBW	130 MHz	130MG1D