

July 29, 2022

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Marlene H. Dortch
Secretary, Federal Communications Commission
Washington, DC 20554

Re: File No. 1059-EX-CN-2020
Post-grant notification of AST&Science LLC

Dear Ms. Dortch,

By this letter and pursuant to Part 5 of the Federal Communications Commission's ("FCC" or "Commission") rules,¹ AST&Science LLC ("AST") provides further notice of BlueWalker 3 ("BW3") operational orbit. The insertion orbit for the BW3 spacecraft has been finalized to approximately 513 km and 53-degree inclination. The spacecraft will be inserted at that orbit directly and will operate from that orbit. The start of the launch window is September 7, 2022.

As an update to the operating orbit, AST is providing: 1) an updated conjunction analysis, and 2) an updated interference analysis with regard to GEO operations, that clearly indicates the updated orbit will not result in any increase in the potential for interference.

Additionally, the BW3 spacecraft has been registered with the 18th Space Defense Squadron and NASA has been notified of the updated orbital location.

Please direct any questions to the undersigned.

Sincerely,

/s/ Laura Stefani
Laura Stefani
Counsel for AST&Science LLC

¹ 47 C.F.R. Part 5.