

EXHIBIT 1

DESCRIPTION OF PROPOSED OPERATIONS

Pursuant to Section 25.120(b)(3) of the Commission’s rules and the Space Bureau’s expedited processing procedures for earth station special temporary authorization (“STA”),¹ AST & Science, LLC (“AST SpaceMobile”) hereby requests a 180-day STA,² commencing on June 1, 2026, or as soon as possible, to operate a V-band gateway earth station in Iowa Falls, IA, for feeder-link and telemetry, tracking, and command (“TT&C”) communications with its authorized 248-satellite non-geostationary orbit constellation, including six in-orbit satellites.³ The proposed gateway will operate with technical parameters specified in a concurrently filed application for regular authority.

Grant of this application will serve the public interest by allowing gateway feeder-link and TT&C operations required to conduct authorized short-term testing and technical demonstration of the supplemental coverage from space (“SCS”) capabilities of AST SpaceMobile’s groundbreaking space-based cellular broadband system. Such testing will help advance the Commission’s leadership and policy objectives of facilitating new SCS service deployment and expanding direct-to-device broadband connectivity to underserved and unserved areas across the United States and around the world.⁴ Additionally, the proposed STA operations will be conducted on an unprotected, non-interference basis and consistent with applicable technical requirements, thus causing no harmful interference to other authorized operations.

¹ 47 C.F.R. § 25.120(b)(3); *see Space Bureau Announces One Year Extension of Temporary Expedited Processing Procedures for Earth Station Applications Seeking Special Temporary Authority*, Public Notice, DA 26-192 (rel. Feb. 26, 2026) (citing Public Notice, 40 FCC Rcd 1558 (SB 2025)). Although the Bureau’s expedited earth station STA procedures are limited to proposed operations in spectrum not subject to federal coordination, these procedures should remain available under circumstances, such as the case here, where similar V-band gateway operations have been authorized and commenced with no unresolved federal coordination concerns raised. *See, e.g., AST & Science, LLC*, Authorization and Order, DA 26-391 (SB//WTB/OET/PSHSB rel. Apr. 21, 2026) (“*AST Satellite Authorization*”); *AST & Science, LLC*, SES-STA-20251119-00815 (granted Jan. 6, 2026) (Homestead, FL). Additionally, any potential federal coordination issues with the proposed V-band gateway operations here may be addressed with a condition requiring federal coordination, to the extent applicable, prior to commencing STA operations.

² AST SpaceMobile concurrently is also filing a new license application for the proposed gateway operations.

³ *See AST Satellite Authorization*.

⁴ The Commission previously determined that AST SpaceMobile’s V-band feeder-link and TT&C operations serve the public interest. *See id.*; *AST & Science, LLC*, Order and Authorization, 39 FCC Rcd 8558, para. 7 (rel. Aug. 2, 2024).