

GRANT
Astranis Projects USA LLC
ICFS File No. SAT-LOA-20260220-00092

 GRANTED* Space Bureau	File # SAT-LOA-20260220-00092 Call Sign <u>S00833</u> Grant Date <u>08/21/2026</u> (or other identifier) From: <u>See conditions</u> To: <u>See conditions</u> Approved:  Associate Division Chief Satellite Programs and Policy Division
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*with conditions

ICFS File No(s):	SAT-LOA-20260220-00092 ¹	GRANTED IN PART – With Conditions  Space Bureau Satellite Programs and Policy Division
Licensee/Grantee:	Astranis Projects USA LLC (Astranis)	
Call Sign:	S00833	
Satellite Name:	ASTRANIS 157E Ku GSO System (ASTRANIS 157E Ku)	
Orbital Location: (required station-keeping tolerance)	157.0° E.L. (+/- 0.05 degrees east/west station keeping)	
Administration:	United States of America	
Nature of Service:	Fixed-Satellite Service (FSS)	
Scope of Grant:	Grant of authority to deploy and operate the ASTRANIS 157E Ku geostationary orbit (GSO) satellite	
Previous Grants:	N/A	
Service Area(s):	Southeast Asia	
Frequencies:	<u>FSS:</u> 10.95-11.7 GHz (space-to-Earth) 17.7-20.2 GHz (space-to-Earth) 13.75-14.0 GHz (Earth-to-space) 14.0-14.5 GHz (Earth-to-space) 27.5-30.0 GHz (Earth-to-space) <u>Telemetry, Tracking & Command (TT&C) Center Frequencies:</u> 19625 MHz 19650 MHz 19675 MHz 19700 MHz 19725 MHz 19750 MHz 19775 MHz 28450 MHz	
Unless otherwise specified herein, operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with the Federal Communications Commission's rules not waived herein. This grant is also subject to the following conditions: Astranis must prepare the necessary information, as may be required, for submission to the International Telecommunication Union (ITU) to initiate and complete the advance publication, coordination, due diligence, and notification process of this space station, in accordance with the ITU Radio Regulations. Astranis will be held responsible for all cost-recovery fees associated with ITU filings. No protection from interference caused by radio stations authorized by other administrations is guaranteed unless coordination and notification procedures are timely completed or, with respect to individual administrations, coordination agreements are successfully completed. Any radio station authorization for which		

¹ Astranis Projects USA LLC, Application for Authority to Launch and Operate ASTRANIS 157E Ku GSO System, ICFS File No. SAT-LOA-20260220-00092 (filed Mar. 24, 2026) (Application); *Satellite Licensing Division and Satellite Programs and Policy Division Information, Applications Accepted for Filing*, Public Notice, Report No. SAT-01993 (rel. Apr. 17, 2026). No comments were filed in response to the Application.

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coordination has not been completed may be subject to additional terms and conditions as required to effect coordination of the frequency assignments of other administrations. See 47 CFR § 25.111(b).

2. In connection with the provision of service in any particular country, Astranis is obliged to comply with the applicable laws, regulations, rules, and licensing procedures of that country.
3. Astranis must operate ASTRANIS 157E Ku at the 157.0° E.L. orbital location in accordance with any existing or future coordination agreements for this location. In the absence of a coordination agreement, such operations must comply with applicable provisions of the ITU Radio Regulations, as the Commission cannot guarantee the success of the required coordination.
4. Astranis will operate ASTRANIS 157E Ku in the 10.95-11.2 GHz, 11.45-11.7 GHz, and 14.0-14.5 GHz bands at the 157.0° E.L. orbital location pursuant to US ITU filing USASAT-60Q.
5. Astranis's operations in the 17.7-20.2 GHz (space-to-Earth) band shall not cause harmful interference to current and future operational U.S. Federal systems operating pursuant to primary Federal allocations. Astranis shall coordinate through mutual exchange of system information, to the extent possible consistent with national security requirements, in good faith, and on an ongoing basis, with potentially affected U.S. Federal systems to ensure protection of operational U.S. Federal systems. In all cases, Astranis must provide all necessary system information and technical parameters to the affected Federal entities to allow those entities to conduct their required interference analyses. Astranis shall maintain sufficient information to timely investigate and resolve documented instances of harmful interference and make available such information to affected Federal entities upon request. Astranis shall adjust its operations to accommodate future operational U.S. Federal systems and aggregate effects into U.S. Federal systems. Upon receiving a documented report of harmful interference from an affected U.S. Federal system, Astranis shall immediately cease the operation causing the harmful interference until the issue is resolved and coordination with the affected Federal entity is complete.
6. Astranis must complete coordination with potentially affected Federal Agencies and Services engaged in national security or safety-of-life services, through mutual exchange of system information, to the extent possible consistent with national security requirements, prior to operating in the 17.7-20.2 GHz (space-to-Earth) band, which is allocated on a primary basis to Federal services or is adjacent to primary Federal allocations. Astranis shall notify the Commission within 30 days after completion of coordination, with a copy to NTIA and the relevant Federal entity. Notification shall be submitted via the FCC's ICFS. Two weeks prior to the start of any operations in such bands, Astranis must provide contact information for a 24/7 point of contact for the resolution of any harmful interference to contacts provided by the NTIA.
7. Astranis's request for waiver of the U.S. Table, 47 CFR § 2.106(a), (d)(52), to allow non-conforming use of the 10.7-11.7 GHz band for GSO FSS services in the 10.95-11.7 GHz band is GRANTED, subject to the condition that Astranis operates on an unprotected and non-interference basis and accepts any interference from authorized services operating in the band.² We find that waiver does not undermine the purpose of the rule because Astranis has agreed to operate on a non-interference basis in this band, thus fixed station operators will not be required to coordinate their stations' operations with Astranis. Under these circumstances, we determine that an additional coordination burden is not placed upon fixed station operators and their ability to expand service in the future would not be restricted.
 - a. Astranis's space-to-Earth transmissions in the 10.95-11.7 GHz band are on an unprotected, non-harmful interference basis relative to fixed stations. As such, Astranis must not cause harmful interference to, nor claim protection from, fixed stations to which frequencies in the 10.7-11.7 GHz band have either been already assigned, or to which frequencies in the 10.7-11.7 GHz band may be assigned at a later date. Astranis must terminate operations in the 10.7-11.7 GHz band upon

² 47 CFR 25.206(a), (d)(52) (NG52 provides that use of the 10.7-11.7 GHz (space-to-Earth) band by GSO FSS is limited to international systems); see Application, Narrative at 8-9.

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receipt of notification that its operations are causing interference to fixed stations operating in this band, and must immediately inform the Commission, in writing, of such an event.

- b. Astranis must inform its customers, including end-users receiving services from resellers accessing capacity on the ASTRANIS 157E Ku space station, in writing, that the service in the 10.7-11.7 GHz band is being provided on an uncoordinated basis and that future licensed fixed stations could potentially cause harmful interference.
8. Astranis's request for waiver of section 25.264 of the Commission's rules, 47 CFR § 25.264, is GRANTED, with respect to its FSS operations in the 17.7-17.8 GHz (space-to-Earth) band.³ Section 25.264 requires space stations transmitting in any portion of the 17.3-17.8 GHz band to submit off-axis gain data and power flux density calculations.⁴ International use of this frequency band is governed by Appendix 30A of the ITU Radio Regulations, and Astranis states that there are no U.S. Appendix 30A Plan assignments or ITU filings to include new Appendix 30A Plan assignments within two degrees of the 157.0° E.L. orbital location, pursuant to section 25.264(g).⁵ We conclude that waiver of this rule is appropriate as no DBS operations will be affected. This waiver shall terminate in the event that a DBS satellite is launched into a location within 0.2 degrees of the 157.0° E.L. orbital location or the submission of an ITU filing within 0.2 degrees of the 157.0° E.L. orbital location.
9. In the 18.8-19.3 GHz (space-to-Earth) and 28.6-29.1 GHz (Earth-to-space) bands, Astranis must operate on an unprotected and non-interference basis to non-geostationary orbit (NGSO) systems licensed or granted market access in the United States.⁶ GSO FSS are allocated on a secondary basis in the 18.8-19.3 GHz and 28.6-29.1 GHz bands and must not cause harmful interference to, or claim protection from, primary NGSO FSS systems. Astranis's operations in these bands are subject to the following conditions:
 - a. Upon receiving a documented report of harmful interference, Astranis must immediately cease operations until the interference is resolved and must inform the Commission in writing of such an event.
 - b. No later than 60 days before the scheduled initial launch of any U.S.-authorized NGSO FSS satellite system to operate in the 18.8-19.3 GHz and 28.6-29.1 GHz bands, Astranis must notify the Commission, in writing, that a coordination agreement has been reached with the NGSO satellite system operator. This notification must include a statement from the NGSO satellite system operator affirming the coordination agreement. Astranis must refrain from commencing, or otherwise cease, operations in the United States in the 18.8-19.3 GHz and 28.6-29.1 GHz frequency bands pursuant to this authorization until compliance is notified. With respect to any currently operational NGSO FSS system licensed or granted market access in the United States, Astranis must notify the Commission, in writing, when an agreement has been reached and must not communicate with U.S.-licensed earth stations in the 18.8-19.3 GHz and 28.6-29.1 GHz bands pursuant to this grant until such time as compliance is notified and affirmed by the Commission.
10. Astranis's request for waiver of the U.S. Table to allow non-conforming GSO FSS operations in the 19.4-19.6 GHz and 29.1-29.25 GHz bands is GRANTED. The U.S. Table limits FSS operations in the 19.4-19.6 GHz and 29.1-29.25 GHz bands to feeder links for NGSO systems providing Mobile-Satellite Service (MSS).⁷ Astranis proposes to use the bands for GSO FSS operations on an unprotected and non-

³ Application at 8.

⁴ 47 CFR § 25.264.

⁵ Application at 10-11, Tech Annex at B-4; 47 CFR § 25.264(g).

⁶ See 47 CFR § 2.106, NG165.

⁷ 47 CFR § 2.106, NG166.

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interference basis and states that it will coordinate with authorized NGSO MSS systems.⁸ Prior to Astranis's operations in the 19.4-19.6 GHz and 29.1-29.25 GHz bands, we require that Astranis successfully coordinate with authorized NGSO MSS networks. Astranis must operate on an unprotected, non-harmful interference basis with respect to existing and future NGSO MSS operations and must accept interference from any existing and future NGSO MSS operations. Astranis must cease operations in the event of harmful interference. We believe that these conditions will sufficiently protect MSS operations in these bands.

11. Astranis' request for waiver of the Commission's surety bond requirement, section 25.165(a), 47 CFR § 25.165(a), is GRANTED IN PART.⁹ The requirement for Astranis to post a surety bond in accordance with 47 CFR 25.165(a)(2), (b) is deferred by 150 days, making the bond due a total of 180 days from the date of grant.¹⁰ Section 25.165 requires that space station licensees post a bond within 30 days of grant of license. We determine that Astranis's proposed use of spectrum would not be mutually exclusive nor would it preclude other parties from seeking authorization for similar bands.¹¹ These factors provide safeguards against warehousing and speculation in orbit and spectrum resources in much the same way a bond would. This authorization is subject to the following requirements:
 - a. Astranis must post a surety bond in satisfaction of 47 CFR §§ 25.165(a)(2) and (b) no later than February 17, 2027, and thereafter maintain on file a surety bond requiring payment in the event of a default in an amount, at minimum, determined according to the formula set forth in 47 CFR § 25.165(a)(2). We therefore find that this partial grant will not undermine the purpose of the rule.
 - b. Astranis must launch the space station, place it in the assigned orbit, and operate it in accordance with the station authorization no later than August 21, 2031, 47 CFR § 25.164(a). The license term is fifteen years from the date and time as determined pursuant to 47 CFR § 25.121(a)(1).
12. This authorization will be null and void automatically, without further Commission action if Astranis fails to comply with these requirements. Failure to comply with the milestone requirement of 47 CFR § 25.164(a) will also result in forfeiture of Astranis's surety bond. By September 5, 2031, Astranis must either demonstrate compliance with its milestone requirement or notify the Commission in writing that the requirement was not met. 47 CFR § 25.164(f).

⁸ Application at 9-10.

⁹ Application at 6-7.

¹⁰ We note that the Division has typically only granted 60-day extensions (for a total of 90 days) of the bond deadline. Because licenses are being issued further in advance of launch, primarily due to the increased speed of satellite license application processing, the Division grants an extension length of 150 days (for a total of 180 days).

¹¹ See Application, Narrative at 7.

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Licensee/grantee is afforded thirty (30) days from the date of release of this action to decline the grant as conditioned. Failure to respond within this period will constitute formal acceptance of the grant as conditioned.

This action is taken pursuant to Section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release.

Station licenses are subject to the conditions specified in Section 309(h) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(h).

Action Date:	August 21, 2026	
Term Dates	From: See conditions	To: See conditions

Approved:

John W. Whaley
Associate Division Chief
Satellite Programs and Policy Division