

**Before the  
FEDERAL COMMUNICATIONS COMMISSION  
Washington, DC 20554**

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|-----------------------------------------|---|-------------------------|
| In the Matter of                        | ) |                         |
|                                         | ) |                         |
| Astranis Projects USA LLC               | ) | File No. SAT-STA- _____ |
|                                         | ) | Call Sign:              |
| Request for Special Temporary Authority | ) |                         |
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**REQUEST FOR SPECIAL TEMPORARY AUTHORITY**

Astranis Projects USA LLC (“Astranis”) herein requests an extension of its Special Temporary Authority (“STA”)<sup>1</sup> for 60 days to operate the tracking, telemetry and control (“TT&C”) frequencies of the Arcturus satellite at the 119.75° E.L. orbital location. Astranis also requests an extension of the waiver of the Federal Communication Commission’s (“Commission” or “FCC”) standard station-keeping box, taking into account the specific orbit environment at this new orbital location.<sup>2</sup> Grant of this STA extension will enable Astranis to support a customer requirement to utilize the Arcturus satellite.

**I. BACKGROUND**

Arcturus is a small geostationary satellite orbit (“GSO”) fixed-satellite service (“FSS”) satellite manufactured by Astranis. On June 7, 2021, Astranis Bermuda Ltd., a wholly owned subsidiary of U.S.-based Astranis Space Technologies Corp., filed a petition for declaratory ruling with the Commission seeking U.S. market access for Arcturus.<sup>3</sup> Astranis subsequently

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<sup>1</sup> See ICFS File No. SAT-STA-20260417-00166 (granted Apr. 20, 2026) (“Arcturus Relocation STA”); ICFS File No. SAT-STA-20260621-00246 (granted June 26, 2026) (“Arcturus Relocation STA Renewal”).

<sup>2</sup> See 47 C.F.R. § 25.210(j).

<sup>3</sup> See Astranis Bermuda Ltd., Application for Satellite Space Station Authorization, ICFS File No. SAT-PPL-20210607-00075 (granted June 23, 2025); ICFS File No. SAT-APL-20210921-00125 (granted-in-part/deferred-in-part Feb. 3, 2022).

requested and received authority to launch and operate Arcturus with a U.S. license.<sup>4</sup> On June 5, 2023, Astranis notified the FCC that the company successfully launched, placed into orbit, and commenced operations of Arcturus.<sup>5</sup>

In April 2026, the Commission authorized the Arcturus satellite to drift to the 119.75° E.L. to support its customer's satellite fleet.<sup>6</sup> Now the satellite is located at the 119.75° E.L. orbital location.

While the Arcturus satellite is located at 119.75° E.L., Astranis will continue to use earth stations in Konya, Turkey and an Intelsat earth station in Australia to provide TT&C functions. Astranis may also use its earth station located in Subic Bay, Philippines to provide TT&C functions.

## **II. FREQUENCIES, COORDINATION AND PHYSICAL SAFETY RELATED MATTERS**

Grant of the requested STA would not present any significant risk of interference to other users. In its original STA request, Astranis provided additional information that Space Bureau staff has requested previously regarding Arcturus relocations.<sup>7</sup>

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<sup>4</sup> See Astranis Projects USA LLC, Application for Authority to Launch And Operate the Arcturus Satellite at the 163° W.L. Orbital Location in Ka-band Frequencies, ICFS File No. SAT-LOA-20221019-00145 (granted-in-part/deferred-in-part Dec. 6, 2022) ("Arcturus U.S. License Application"). After obtaining its U.S. license for the Arcturus satellite, Astranis surrendered its U.S. market access authority. See Letter from Carlos M. Nalda, Counsel to Astranis Bermuda Ltd., to Marlene H. Dortch, Secretary, Federal Communications Commission, IBFS File No. SAT-PPL-20210607-00075 et al., (filed Dec. 20, 2022).

<sup>5</sup> See Letter from Joshua Ingersoll, Senior Manager of Regulatory Affairs, Astranis Space Technologies Corp., to Marlene H. Dortch, Secretary, Federal Communications Commission, IBFS File No. SAT-LOA-20221019-00145 et al. (filed June 8, 2023). Subsequently, Arcturus experienced an anomaly with its vendor-supplied solar array drive assemblies. The Arcturus spacecraft is in a safe state and fully under Astranis's control. However, this anomaly results in an inability to provide service in the manner the company had intended. See Astranis Projects USA LLC, ICFS File No. SAT-STA-20230811-00201 at 2 (filed Aug. 11, 2023).

<sup>6</sup> See Arcturus Relocation STA and Arcturus Relocation STA Renewal, *supra* note 1.

<sup>7</sup> Arcturus Relocation STA, Attachment A.

When operating at 119.75° E.L., the Arcturus satellite will utilize the following frequencies for TT&C:

- Telecommand frequencies: 28351-28353, 28354-28356 MHz
- Telemetry frequencies: 19701-19703, 19704-19706 MHz

Astranis's original STA request assessed other operational satellites in the vicinity of the relocation destination (119.75° E.L.) and determined its requested station-keeping box did not overlap with any other operational satellites.<sup>8</sup> In addition, Astranis provided a waiver request to operate with a wider station-keeping box of +/- 0.1 degrees while at the 119.75° E.L. orbital location,<sup>9</sup> which the Commission granted. These underlying facts have not changed, and Astranis accordingly requests its extended STA under the same conditions and waivers as previously granted.

### **III. CONCLUSION**

For the reasons set forth herein, Astranis respectfully requests that the Commission grant this 60-day STA extension to operate at on the frequencies identified above for TT&C, 119.75° E.L.; and to operate with a wider-station keeping box as described herein, to commence on August 29, 2026 and conclude on October 28, 2026.

Respectfully submitted,

/s/ Kailey D. Lauter  
Kailey D. Lauter  
Regulatory Counsel

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<sup>8</sup> Arcturus Relocation STA at 3 (listing the closest neighboring satellites and their respective station-keeping ranges).

<sup>9</sup> Arcturus Relocation STA at 3-5 (requesting waiver of 47 C.F.R. § 25.210(j) to maintain a +/-0.1 degree east/west station-keeping box).

/s/ Kimberly M. Baum  
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