Before the
Federal Communications Commission
Washington, DC 20554

In the Matter of	)	
	)	File No. SAT-MOD-20260519-00203
Loft Orbital Solutions Inc.	)	
	)	
Application to Modify License	)	Call Sign: S3181

MODIFICATION APPLICATION

Loft Orbital Solutions Inc. ("Loft Orbital") requests authority from the Space Bureau ("Bureau") to modify the YAC-1 constellation license[1] and permit operations of six of the ten YAC-1 satellites at an apogee of approximately 638.7 km (± 5 km), a perigee of approximately 624 km (± 5 km), down to an altitude of no lower than 440 km, and an inclination of 97.9 deg (± 1.0 deg).[2] Grant of this application will serve the public interest by allowing Loft Orbital to optimize coverage and revisit rate for the partially deployed constellation.

Attached to this application is an interference analysis (*i.e.*, the PFD at the geostationary satellite orbit)[3] and revised orbital debris assessment report ("ODAR"),[4] in both cases to reflect the revised worst-case analysis for the higher operating orbit. Provided below for the Bureau's convenience is proposed language to the "Orbital Location" section of the YAC-1 License to reflect the above changes. Except as stated in this application, Loft Orbital is not requesting any other changes to its license or authorized satellite operations.

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[1] *See* Stamp Grant, ICFS File No. SAT-MOD-20260310-00120 (June 9, 2026) ("YAC-1 License").

[2] The YAC-1 satellites are currently authorized to operate at 616.4 km ± 5 km (apogee) and 601.7 ± 5 km (perigee) with an inclination of 97.82 ± 1º, down to a 440 km orbital altitude. *See* YAC-1 License. For the avoidance of doubt, Loft Orbital does not seek any changes to the operating orbital parameters for the other four satellites in the YAC-1 constellation.

[3] *See* Attachment 1 (interference analysis).

[4] *See* Attachment 2 (ODAR).

Orbital Location: **(required station-keeping tolerance)**	Non-geostationary satellite orbit (NGSO) comprised of ten satellites deployed from the launch vehicle to an altitude of 500-600 km (± 20 km) and will subsequently move into drift orbit at either 500 km or 625 km. Will then move to and operate at: For six satellites, an apogee of approximately 638.7 km (± 5 km), a perigee of approximately 624 km (± 5 km), and an inclination of 97.9 degrees (± 1.0 deg.), and down to an altitude of no lower than 440 km; and For four satellites, an apogee of approximately 616.4 km (± 5 km), a perigee of approximately 601.7 km (± 5 km), and an inclination of 97.82 (± 1.0 deg), and down to an altitude of no lower than 440 km. Local Time of the Descending Node (LTDN) of 13:30 for satellite 1. Local Time of the Ascending Node (LTAN) of 10:30 (± 5 minutes) for satellites 2 through 10.

Table 2 – Proposed changes to Orbital Location section of the YAC-1 License

Respectfully submitted,

/*s/ Alex Greenberg*

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Dated: July 15, 2026

Technical Certification

I, David Morse, hereby certify, under penalty of perjury, that I am the technically qualified person responsible for the preparation of the engineering information contained in the technical portions of the foregoing application and the related attachments, that I am familiar with Part 25 of the Commission's rules, and that the technical information is complete and accurate to the best of my knowledge and belief.

/s/ David Morse
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Dated: July 15, 2026