

July 15, 2026

TO: Ms. Marlene H. Dortch
Secretary, Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority

Dear Ms. Dortch,

Pursuant to Section 25.120 of the Commission's Rules and 47 CFR § 1.62, Kongsberg Satellite Services AS (KSAT) requests Special Temporary Authority (STA) for a period of sixty (60) days, or until a permanent license is granted, to operate its satellite earth station located in Fairbanks, Alaska (Call Sign E240138). This STA would permit communication with the non-geostationary satellite orbit (NGSO) satellites operated by Muon Space Inc. (Muon), under Call Sign S3173. These satellites include MuSat-2, MuSat-3, and MuSat-4, and operate within the Earth Exploration-Satellite Service (EESS), as licensed by the Commission.

This STA request is intended to provide interim authority during the period between grant of this request, and the eventual submission and grant of a modification to KSAT's earth station license to include this additional point of communication. KSAT respectfully requests that the STA to begin on July 17, 2026, immediately following the expiration of the current STA.

This 60-day STA application is being filed at this time due to the ongoing review of pending FCC license, SES-LIC-20240717-01578. A license MOD to add additional points of communications will be submitted once the Commission acts on SES-LIC-20240717-01578 and SES-AMD-20241216-02664.

Frequency coordination and Society of Broadcast Engineers (SBE) discussions have been completed with no issues or concerns.

The Alaska Earth Station will operate in the following frequency bands:

- **Transmit:** 2025–2110 MHz (S-band)
- **Receive:** 8025–8400 MHz (X-band)

All frequencies requested under this STA, as well as the operation of the Alaska Earth Station, have been coordinated with the appropriate federal agencies, in accordance with the Commission's grant issued to Muon Space.

The following tables provide a list of the frequencies requested in this STA as well as the antenna specifications in support of this application.

Transmission Direction	Satellite	Center Frequency (MHz)	Emission	Polarity	Max EIRP per Carrier	Max EIRP density per Carrier
Earth-to-Space	MuSat-3; MuSat-4	2061.5	280KG1D	RHCP	50 dBW	31.55
	MuSat-2	2062.5	620KG1D			28.10
	MuSat-2	2062.5				
	MuSat-3; MuSat-4	2062.5	980KG1D	RHCP	50 dBW	26.10
Space-to-Earth	MuSat-2; MuSat-3; MuSat-4	8385.0	2M80G1D	RHCP	0.0 dBW	0.0
		8390.0				
Space-to-Earth	MuSat-2	8205.0	85M0G1D	RHCP	0.0 dBW	0.0
	MuSat-3; MuSat-4		250MG1D			
Space-to-Earth	MuSat-2	8105.0	85M0G1D	RHCP	0.0 dBW	0.0
	MuSat-3 MuSat-4		160MG1D			

Antenna Specifications and Location	
Make and Model	CPI Satcom Orbital Systems; 5.0TSXS11-5.0m
Antenna Gain	37.6 dBi @ 2.0 GHz 50.5 dBi @ 8.2 GHz
Latitude	64 ° 49 ' 3.7 " N
Longitude	147 ° 43 ' 9.0 " W

Grant of this application will serve the public interest in accordance with Section 307(a) of the Commissions Act. The operation of the Alaska earth station will enable frequent, predictable contact with the spacecraft to support potential collision avoidance, perform orbit maintenance, and conduct payload operations for the MuSat satellites.

The strategic location of the KSAT Earth Station in Fairbanks, Alaska, will provide Muon Space with essential ground segment support for current satellites.

If approved, communications will continue to be on a secondary non-interference basis, and we will discontinue operations in the event of any reported interference. KSAT will continue to operate under the same technical and operational conditions as authorized in the previous STA. KSAT further acknowledges that operations in the 8105 MHz band have not yet been authorized and will not be conducted unless and until such authority is granted by the Commission. Lastly, KSAT will also comply with applicable terms and conditions of the authorization for Muon satellites.

24-hour contact information for the Fairbanks, Alaska earth station is as follows:

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Respectfully Submitted,
Hanna Pritchard
Spectrum Manager, KSAT Inc