

ATTACHMENT TO GRANT
Kongsberg Satellite Services AS
ICFS File No. SES-STA-20250825-00590

ICFS File No(s):	SES-STA-20250825-00590	GRANTED - With Conditions  Space Bureau																			
Licensee/Grantee:	Kongsberg Satellite Services AS																				
Call Sign:	E240138																				
Satellite Name:	MuSat-2, MuSat-3, and MuSat-4 (S3173) satellites																				
Orbital Location: (required station-keeping tolerance)																					
Administration:																					
Nature of Service:																					
Scope of Grant:	Kongsberg Satellite Services AS ("Kongsberg") is granted an additional 60-day special temporary authority (STA) to operate its satellite earth station to communicate with the non-geostationary (NGSO) MuSat-2, MuSat-3, and MuSat-4 (S3173) satellites.																				
Service Area(s):	64° 49' 3.7" N, 147° 43' 9.0" W in Fairbanks, AK																				
Frequencies:	Operations will be performed in the following center frequencies: 2061.5 MHz (Earth-to-space) 2062.5 MHz (Earth-to-space) 8205.0 MHz (space-to-Earth) 8385.0 MHz (space-to-Earth) 8390.0 MHz (space-to-Earth)																				
Operations under this grant must comport with the legal and technical specifications set forth by the applicant or petitioner and with Federal Communication Commission's rules not waived herein. This grant is also subject to the following conditions: 1. STA operations must not exceed the operational power levels and parameters requested and coordinated, and must comport with the technical specifications described in the underlying application, except as conditioned in this grant of STA. 2. Earth-to-space and space-to-Earth operations under this STA for each satellite shall be limited to frequency and transmission direction combinations listed in the table below:																					
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Transmission Direction</th> <th style="width: 10%;">Satellite</th> <th style="width: 10%;">Center Frequency (MHz)</th> <th style="width: 10%;">Emission</th> <th style="width: 10%;">Polarity</th> <th style="width: 10%;">Max EIRP per Carrier</th> <th style="width: 10%;">Max EIRP density per Carrier (dBW/4kHz)</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Earth-to-Space</td> <td>MuSat-3</td> <td rowspan="2">2061.5</td> <td rowspan="4">280KGID</td> <td rowspan="4">RHCP</td> <td rowspan="4">50 dBW</td> <td rowspan="4">31.55</td> </tr> <tr> <td>MuSat-4</td> </tr> <tr> <td>MuSat-2</td> <td>2062.5</td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>			Transmission Direction	Satellite	Center Frequency (MHz)	Emission	Polarity	Max EIRP per Carrier	Max EIRP density per Carrier (dBW/4kHz)	Earth-to-Space	MuSat-3	2061.5	280KGID	RHCP	50 dBW	31.55	MuSat-4	MuSat-2	2062.5		
Transmission Direction	Satellite	Center Frequency (MHz)	Emission	Polarity	Max EIRP per Carrier	Max EIRP density per Carrier (dBW/4kHz)															
Earth-to-Space	MuSat-3	2061.5	280KGID	RHCP	50 dBW	31.55															
	MuSat-4																				
	MuSat-2	2062.5																			

	MuSat-2	2062.5	620KGID			28.10
	MuSat-3					
	MuSat-4	2062.5	980KGID	RHCP	50 dBW	26.10
Space-to-Earth	MuSat-2	8385.0	2M80G1D	RHCP		
	MuSat-3					
	MuSat-4	8390.0				
Space-to-Earth	MuSat-2	8205.0	85M0G1D	RHCP		

3. STA operations must use the minimum power level necessary to establish communications links in order to minimize potential interference to licensed users.

4. All operations under this grant of STA must be on an unprotected and non-interference basis (NIB), i.e., Kongsberg must not cause harmful interference to and must not claim protection from interference caused to it by any other lawfully operating station.

5. In the event of any harmful interference caused by operations under this grant of STA, Kongsberg must immediately cease operations upon notification of such interference. Kongsberg must immediately inform the Commission, in writing, of such an event.

6. Earth station transmissions in the 2025–2110 MHz band are subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at <https://sbe.org/resources/frequency-coordination/> to find the appropriate coordinator.

7. In the 8025-8400 MHz band, MuSat-2, MuSat-3, MuSat-4 (S3173) satellite spacecrafts shall limit the X-band downlink (space-to-Earth) duty cycle to no more than 25% to the Fairbanks, AK earth station.

8. The 24/7 point of contact in the United States, with authority and ability to cease all emissions, for this operation is Blain Bronson at +1 (907) 347-2353.

9. STA operations must be in compliance with earth station applicable operations allowed by the space station authorization(s) or grant(s), including all relevant conditions, waivers, and findings therein.

10. STA operations since the expiration of the previous STA and the commencement of this STA were authorized as continuing operations under 47 CFR § 1.62.

This grant is issued pursuant to section 0.261 of the Commission's rules on delegated authority, 47 CFR § 0.261, and is effective upon release. This STA is authorized pursuant to the Commission's rule 47 CFR § 25.120.

Action Date:	09-30-2025		
Term Dates	From: 10-01-2025	To: 11-29-2025	
Approved:	SIGNATURE:		

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