

ATTACHMENT TO GRANT
Haras Development
ICFS File No. SES-STA-20260518-01362

ICFS File No(s):	SES-STA-20260518-01362	GRANTED - With Conditions  Space Bureau
Licensee/Grantee:	Haras Development	
Call Sign:	E181423	
Satellite Name:	Otter Pup 2 (WO2XST) satellite	
Orbital Location: (required station-keeping tolerance)		
Administration:		
Nature of Service:		
Scope of Grant:	Haras Development ("Haras"), is granted an additional 30-day special temporary authority (STA) to operate its fixed satellite earth station to communicate with the Otter Pup 2 (WO2XST) satellite.	
Service Area(s):	40° 06' 1.91" N, 83° 11' 51.18" W in Dublin, OH	
Frequencies:	Operations will be performed at the following center frequencies: 2047.5 MHz with an emission bandwidth of 5 MHz (Earth-to-space) 8200 MHz with an emission bandwidth of 90.9 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.
2. STA operations must use the minimum power level necessary to establish communications links in order to minimize potential interference to licensed users.
3. All operations under this grant of STA must be on an unprotected and non-interference basis (NIB), i.e., Haras must not cause harmful interference to and must not claim protection from interference caused to it by any other lawfully operating station.
4. In the event of any harmful interference caused by operations under this grant of STA, Haras must immediately cease operations upon notification of such interference. Haras must immediately inform the Commission, in writing, of such an event.
5. 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.
6. Haras shall cease all Earth-to-space transmissions centered at 2047.5 MHz when any of the Polarimeter to Unify the Corona and Heliosphere (PUNCH) (NORAD IDs: 63178 through 63181) spacecraft are within 15 degrees of earth station antenna boresight.
7. Haras shall cease all Earth-to-space transmissions centered at 2047.5 MHz when the XMM-Newton (NORAD ID: 25989) spacecraft is within 15 degrees of earth station antenna boresight.
8. Haras shall cease all Earth-to-space transmissions centered at 2047.5 MHz when the Solar Dynamics Observatory (SDO) (NORAD ID: 36395) spacecraft is within 10 degrees of earth station antenna boresight.
9. Haras shall cease all Earth-to-space transmissions centered at 2047.5 MHz when the Interface

Region Imaging Spectrograph (IRIS) (NORAD ID: 39197) is within 7 degrees of earth station antenna boresight.

10. Haras shall ensure that all Earth-to-space and space-to-Earth operations be strictly limited to durations when the Otter Pup 2 spacecraft is visible to the subject earth station.

11. At least 99.99% of the total uplink signal power shall be contained in the frequency range 2045-2050 MHz.

12. The 24/7 point of contact in the United States, with authority and ability to cease all emissions, for this operation is +1 (206) 399-1834.

13. 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.

14. 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:	05-28-2026	
Term Dates	From: 05-28-2026	To: 06-26-2026
Approved:	SIGNATURE:	