UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Maris Developments
Call Sign: E181611
Authorization Type: Modification
File Number: SES-MOD-20191121-01544

Grant Date: 2026-01-15 **Expiration Date:** 2034-09-11

Nature of Service: Earth Exploration-Satellite Service

Class of Station: FES

A) Site Location(s):

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1	Boardman	73579 Lewis and Clark Drive Boardman, Morrow, OR 97818	45 ° 51 ' 16.6 " N	119 ° 37 ' 55.1 W	96.19	NAD-83	

Licensee certifies antenna(s) comply with gain patterns specified in Section 25.209

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Maris Developments
Call Sign: E181611
Authorization Type: Modification
File Number: SES-MOD-20191121-01544

Grant Date: 2026-01-15 **Expiration Date:** 2034-09-11

Subject to the provisions of the Communications Act of 1934, The Communications Satellite Act of 1962, subsequent acts and treaties, and all present and future regulations made by this Commission, and further subject to the conditions and requirements set forth in this license, the grantee is authorized to construct, use and operate the radio facilities described below for radio communications for the term beginning Wednesday, September 11, 2019 (3 AM Eastern Standard Time) and ending Monday, September 11, 2034 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is Friday, January 15, 2027. Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operation

The General Provision 1010 applies to all receiving frequency bands.
The General Provision 1900 applies to all transmitting frequency bands.
For the text of these provisions, refer to Section H.

#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1	2085.0275 - 2086.3475		1M32G1D	Earth-to-Space	58	32.82	2		PSK data (S2129)
2	2056.936 - 2057.064		128KF1D	Earth-to-Space	47.23	32.18	2		FSK data (S3198)
3	8154.55 - 8245.45		90M9G1D	Space-to-Earth			2		PSK data (WO2XST)
4	8025 - 8400		375MG7D	Space-to-Earth			2		MPSK data (S2129)
5	8043.5 - 8381.5		338MG1D	Space-to-Earth			2		PSK (S3137, S3162, S3178)
6	8025 - 8400		330MG7D	Space-to-Earth			2		OQPSK (S3032)
7	8377.1 - 8382.9		5M80G7D	Space-to-Earth			2		PSK Data (S2129)
8	8026.3 -		1M40F1D	Space-			2		FSK/TT&C

	8027.7		to-Earth				(S3137, S3162, S3178)
9	2058.9905 - 2059.0095	19K0F1D	Earth-to-Space	47.23	40.46	2	FSK data (S3198)
10	8025 - 8400	375MG7D	Space-to-Earth			2	MPSK data (S3082)
11	2086.3 - 2087.5	1M20G1D	Earth-to-Space	58	33.23	2	PSK data (S3082, S3165)
12	8025 - 8345	320MG7D	Space-to-Earth			2	MPSK data (S2129)
13	2071.775 - 2071.975	200KG1D	Earth-to-Space	45	28.01	2	GMSK, TT&C (S3032)
14	2035.3 - 2036.7	1M40F1D	Earth-to-Space	41	15.56	2	FSK/TT&C (S3137, S3162, S3178)
15	8175 - 8245	70M0G1D	Space-to-Earth			2	PSK data (S3198)
16	8225 - 8375	150MG7D	Space-to-Earth			2	MPSK data (S3082)
17	8379.6875 - 8380.3125	625KG1D	Space-to-Earth			2	PSK data (S2129)

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Maris Developments
Call Sign: E181611
Authorization Type: Modification
File Number: SES-MOD-20191121-01544

Grant Date: 2026-01-15 **Expiration Date:** 2034-09-11

C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc Deg. Long. East Limit	Satellite Arc Deg. Long. West Limit	Elevation (Degrees) East Limit	Elevation (Degrees) West Limit	Azimuth (Degrees) East Limit	Azimuth (Degrees) West Limit	Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
1	2085.0275 - 2086.3475			5	5	0	360	9.8	2
2	2056.936 - 2057.064			5	5	0	360	9.8	2
3	8154.55 - 8245.45			5	5	0	360		2
4	8025 - 8400			5	5	0	360		2
5	8043.5 - 8381.5			5	5	0	360		2
6	8043.5 - 8381.5			5	5	0	360		2
7	8025 - 8400			5	5	0	360		2
8	8377.1 - 8382.9			5	5	0	360		2
9	8026.3 - 8027.7			5	5	0	360		2
10	2058.9905 - 2059.0095			5	5	0	360	9.8	2
11	8025 - 8400			5	5	0	360		2
12	2086.3 - 2087.5			5	5	0	360	9.8	2
13	8025 - 8345			5	5	0	360		2
14	2071.775 - 2071.975			5	5	0	360	9.8	2
15	2035.3 - 2036.7			5	5	0	360	9.8	2
16	8175 - 8245			5	5	0	360		2
17	8225 - 8375			5	5	0	360		2
18	8379.6875 - 8380.3125			5	5	0	360		2

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Maris Developments
Call Sign: E181611
Authorization Type: Modification
File Number: SES-MOD-20191121-01544

Grant Date: 2026-01-15 **Expiration Date:** 2034-09-11

D) Points of Communications

#	Common Name	ITU Name	Orbit Location	Country	Destination Points	Permitted List
1	Acadia 1&2 (S3162)	Acadia 1&2	NGSO			False
2	ICEYE NGSO (S3165)	ICEYE	NGSO			False
3	Global 1-16 (S3032)	BlackSky Global 1-16	NGSO			False
4	Maxar system (S2129)	Maxar system	NGSO			False
5	Acadia3-11 (S3178)	Acadia (3-11)	NGSO			False
6	DROID.002 NGSO (S3198)	DROID.002 (S3198)	NGSO			False
7	OTTER PUP 2 (WO2XST)	Otter Pup 2	NGSO			False
8	CAPELLA 9 and 10	CAPELLA	NGSO			False
9	ICEYE-US NGSO (S3082	ICEYE US	NGSO			False

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Maris Developments
Call Sign: E181611
Authorization Type: Modification
File Number: SES-MOD-20191121-01544

Grant Date: 2026-01-15 **Expiration Date:** 2034-09-11

E) Antenna Facilities

#	Site ID	Antenna ID	Units	Manufacturer	Model Number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	Boardman	5.4m	2	Viasat	5.4 meter		5.4	

Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 100

Maximum total input power at antenna flange(Watts): 58

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions.

UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Maris Developments
Call Sign: E181611
Authorization Type: Modification
File Number: SES-MOD-20191121-01544

Grant Date: 2026-01-15 **Expiration Date:** 2034-09-11

H) Special and General Provisions:

A) This EARTH STATION AUTHORIZATION is granted subject to the following special provisions and general conditions.

4 --- Licensee must ensure that a current listing of the name, title, mailing address, email address, and telephone number of the responsible point of contact are on file at the FCC. Any changes must be filed electronically in the International Communications Filing System (ICFS) using the "Pleadings and Comments" link on the ICFS homepage within 10 days of the change.

8 --- Licensee must notify the Commission when all earth stations under this authorization are no longer operational or when they have not been used to provide service during any continuous six-month period.

10000 --- 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.

90900 --- Grant of the instant application is subject to the terms and condition of all associated current or future space station authorization(s) or grant(s) of market access. Operations pursuant to the instant authorization must be consistent with the associated space station(s) authorizations(s) or grant(s) of market access.

900714 --- Transmissions to the DROID.002 (S3198) satellite may use only one of the two uplink channels/modes (2057 MHz or 2059 MHz) at any given time and shall not exceed a duty cycle of 13 percent (i.e., use no more than one of every eight available visibility opportunities).

900715 --- Transmissions to the ICEYE US (S3082) and ICEYE (S3165) satellites centered at 2086.9 MHz with an emission bandwidth of 1.2 MHz shall have a maximum duty cycle of 37.5 percent (i.e., use no more than three out of every eight available visibility opportunities) and shall cease uplink transmissions when the International Space Station (ISS, NORAD ID 25544) is within 7 degrees of the antenna boresight.

900716 --- Transmissions to the BlackSky Global 1-4 (S3032) satellites centered at 2071.875 MHz with an emission bandwidth of 200 kHz shall have a maximum duty cycle of 17.5 percent per satellite (i.e., use no more than seven out of every forty available visibility opportunities).

900717 --- Transmissions to the Maxar System WorldView 1-3 and WorldView Legion 1-12 (S2129) satellites shall cease when the NASA International Space Station (ISS, NORAD ID 25544) is within 20 degrees of the antenna boresight.

900718 --- Transmissions to the Capella 9-10 (S3137), Capella Acadia 1-2 (S3162), and Capella Acadia 3-6 (S3178) satellites centered at 2036 MHz with an emission bandwidth of 1.4 MHz shall have a maximum duty cycle of 50 percent per satellite (i.e., use no more than one out of every two available visibility opportunities).

B) This RADIO STATION AUTHORIZATION is granted subject to the additional conditions specified below:

This authorization is issued on the grantee's representation that the statements contained in the application are true and that the undertakings described will be carried out in good faith.

This authorization shall not be construed in any manner as a finding by the Commission on the question of marking or lighting of the antenna system should future conditions require. The grantee expressly agrees to install such marking or lighting as the Commission may require under the provisions of Section 303(q) of the Communications Act. 47 U.S.C. § 303(q).

Neither this authorization nor the right granted by this authorization shall be assigned or otherwise transferred to any person, firm, company or corporation without the written consent of the Commission. This authorization is subject to the right of use or control by the government of the United States conferred by Section 706 of the Communications Act. 47 U.S.C. § 706. Operation of this station is governed by Part 25 of the Commission's Rules. 47 C.F.R. Part 25.

This authorization shall not vest in the licensee any right to operate this station nor any right in the use of the designated frequencies beyond the term of this license, nor in any other manner than authorized herein.

This authorization is issued on the grantee's representation that the station is in compliance with environmental requirements set forth in Section 1.1307 of the Commission's Rules. 47 C.F.R. § 1.1307.

This authorization is issued on the grantee's representation that the station is in compliance with the Federal Aviation Administration (FAA) requirements as set forth in Section 17.4 of the Commission's Rules. 47 C.F.R.§ 17.4.

The following condition applies when this authorization permits construction of or modifies the construction permit of a radio station.

This authorization shall be automatically forfeited if the station does not meet each required construction deadline by the required date of completion unless, before such date(s), a specific application is timely filed to request an extension of the construction deadline(s), supported with good cause why that failure to construct by the required date was due to factors not under control of the grantee.

Licensees are required to pay annual regulatory fees related to this authorization. The requirement to collect annual regulatory fees from regulatees is contained in Public Law 103-66, "The Omnibus Budget Reconciliation Act of 1993." These regulatory fees, which are likely to change each fiscal year, are used to offset costs associated with the Commission's enforcement, public service, international and policy and rulemaking activities. The Commission issues a Report and Order each year, setting the new regulatory fee rates. Receive only earth stations are exempt from payment of regulatory fees.