



UNITED STATES OF AMERICA

FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Intelsat License LLC

Authorization Type: License

Call Sign: E210040

File Number: SES-LIC-20210219-00368

Grant Date: 2025-08-19 **Expiration Date:** 2040-08-19

Nature of Service: Fixed-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	1	5281 East Garton Road Castle Rock, Douglas, CO 80104	39 ° 16 ' 34.5 " N	104 ° 48 ' 30.9 W	2,087.25	NAD- 83	

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



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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 Tuesday, August 19, 2025 (3 AM Eastern Standard Time) and ending Sunday, August 19, 2040 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is Wednesday, August 19, 2026. 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	19600 - 20200		140MG7W	Space- to-Earth			1		Digital data
2	29250 - 30000		140MG7W	Earth- to-Space	91.415	45.974	1		Digital data
3	27500 - 28350		140MG7W	Earth- to-Space	77.6	32.159	1		Digital data
4	19200 - 19400		1M00G7W	Space- to-Earth			1		Digital data
5	29000 - 29100		1M00G7W	Earth- to-Space	72.2	48.221	1		Digital data
6	28600 - 29000		140MG7W	Earth- to-Space	91.415	45.974	1		Digital data
7	18800 - 19200		140MG7W	Space- to-Earth			1		Digital data
8	17800 - 18800		1M00G7W	Space- to-Earth			1		Digital data
9	28350 - 28600		1M00G7W	Earth- to-Space	72.2	48.221	1		Digital data
10	17800 - 19400		140MG7W	Space- to-Earth			1		Digital data
11	28350 - 29100		1M00G7W	Earth- to-Space	72.2	48.221	1		Digital data

12	29250 - 30000	140MG7W	Earth- to-Space	91.415	45.974	1	Digital data
13	19600 - 20200	1M00G7W	Space- to-Earth			1	Digital data
14	27500 - 28350	140MG7W	Earth- to-Space	77.6	32.159	1	Digital data



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C) Frequency Coordination Limits

#	Frequency Limits (MHz)	Satellite Arc Deg. Long.		Elevation (Degrees)		Azimuth (Degrees)		Max EIRP Density toward Horizon (dBW/4kHz)	Associated Antenna(s)
		East Limit	West Limit	East Limit	West Limit	East Limit	West Limit		
1	19600 - 20200	124	126	40.4	39.5	208.8	211.5		1
2	19600 - 20200	90	92	42	42.6	157.3	160.2		1
3	29250 - 30000	124	126	40.4	39.5	208.8	211.5	-28.8	1
4	29250 - 30000	90	92	42	42.6	157.3	160.2	-29.6	1
5	27500 - 28350	125	125	39.9	39.9	210.2	210.2	-44.6	1
6	27500 - 28350	91	91	42.3	42.3	158.8	158.8	-45.2	1
7	19200 - 19400	124	126	40.4	39.5	208.8	211.5		1
8	17800 - 18800	124	126	40.4	39.5	208.8	211.5		1
9	28350 - 28600	124	126	40.4	39.5	208.8	211.5	-28.5	1
10	28350 - 28600	90	92	42	42.6	157.3	160.2	-29.6	1
11	17800 - 19400	90	92	42	42.6	157.3	160.2		1
12	28350 - 29100	90	92	42	42.6	157.3	160.2	-29.6	1
13	29250 - 30000	90	92	42	42.6	157.3	160.2	-29.6	1
14	19600 - 20200	90	92	42	42.6	157.3	160.2		1
15	27500 - 28350	91	91	42.3	42.3	158.8	158.8	-45.2	1



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D) Points of Communications

#	Common Name	ITU Name	Orbit Location	Country	Destination Points	Permitted List
1	GALAXY 30 (S3016)		125 W.L.			False
2	OTHER	OTHER				False
3	PERMITTED LIST					False



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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	1	CRK-A26	1	ASC	9.4m-Ka	0	10	

Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 340

Maximum total input power at antenna flange(Watts): 91.415

2	1	CRK-A25	1	ASC	9.4m-Ka	0	10	
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Max Gains(s):

Maximum aggregate output EIRP for all carriers(dBW): 340

Maximum total input power at antenna flange(Watts): 91.415

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions.



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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.
- 55456 --- Grant of operations in the 27.5-28.35 GHz frequency band is based on the applicant's calculation of the aggregate population affected by all earth stations in the relevant market area, under 47 CFR §25.136(a)(4)(ii), using the "actual area method." The estimated population affected by this earth station was determined to be 410 persons, out of a maximum of 450 persons allowed to be affected in Douglas County, Colorado.
- 90491 --- Operations in the 27.5-28.35 GHz (Earth-to-space) frequency band are authorized based on a demonstration of compliance with 47 CFR § 25.136(a)(4). Consequently, this earth station may operate without providing any additional interference protection to stations in the Upper Microwave Flexible Use Service (UMFUS) in the 27.5-28.35 GHz frequency band.
- 90530 --- The earth station licensee is required to take corrective action to mitigate interference in the 27.5-28.35 GHz frequency band if the actual PFD, at ten meters above ground level, exceeds -77.6 dBm/m2/MHz anywhere outside the contour specified in the application.
- 90573 --- To the extent that the actual gain pattern of the antenna ultimately deployed by the licensee exceeds the antenna mask used in the calculation of the PFD contour, the contour resulting from the actual antenna pattern must continue to meet all of the criteria specified in 47 CFR § 25.136(a)(4)(i-iv).
- 90623 --- Operations in the 17.8-18.3 GHz frequency band are on a secondary basis to the Fixed Service (FS). Licensee must accept any interference from existing and future FS transmissions in the 17.8-18.3 GHz frequency band.
- 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.

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.