



UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION

EARTH STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KA258

Authorization Type: Modification

File Number: SES-MOD-20260622-01867

Grant Date: 2025-09-24 **Expiration Date:** 2039-03-31

Nature of Service: Fixed-Satellite Service

Class of Station: a. FSS Fixed Earth Station (single location)

A) Site Location(s):

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	NAD	Special Provisions (Refer to Section H)
1	1	17625 TECHNOLOGY BLVD HAGERSTOWN, WASHINGTON, MD 21740	39 ° 35 ' 53.8 " N	77 ° 45 ' 33.4 W	174.65	WGS- 84	

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 Sunday, March 31, 2024 (3 AM Eastern Standard Time) and ending Thursday, March 31, 2039 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is Saturday, September 4, 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	11700 - 12200	S,T	56K0G7W	Space- to- Earth			MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE
2	11700 - 12200	S,T	72M0G7W	Space- to- Earth			MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE
3	10950 - 11200	S,T	72M0G7W	Space- to- Earth			MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE
4	10950 - 11200	S,T	56K0G7W	Space- to- Earth			MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE

#	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
5	11450 - 12200	S,T	56K0G7W	Space- to- Earth			MTN-K91		digital data
6	11450 - 12200	S,T	72M0G7W	Space- to- Earth			MTN-K91		digital data
7	14000 - 14500	S,T	2M00F9D	Earth- to- Space	78.09	51.1	MTN-K91		TT&C
8	14000 - 14500	S,T	72M0G7W	Earth- to- Space	88	45.4472749	MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE
9	14000 - 14500	S,T	400KF9D	Earth- to- Space	71.1	51.1	MTN-K91		TT&C
10	14000 - 14500	S,T	56K0G7W	Earth- to- Space	62.56	51.0987196	MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE
11	13778 - 14000	S,T	850KF9D	Earth- to- Space	74.37	51.0964107	MTN-K91		TT&C
12	17300 - 17800	S,T	2M00F2D	Earth- to- Space	71.91	44.92	MTN-K91		TT&C
13	17300 - 17800	S,T	400KF2D	Earth- to- Space	68.9	48.9	MTN-K91		TT&C
14	17300 - 17800	S,T	56K0G7W	Earth- to- Space	62.56	51.0987196	MTN-K91		Digital data
15	17300 - 17800	S,T	72M0G7W	Earth- to- Space	83.3	40.7472749	MTN-K91		Digital data
16	12200 - 12700	S,T	2M00F2D	Space- to- Earth			MTN-K91		TT&C
17	12200 - 12700	S,T	400KF2D	Space- to- Earth			MTN-K91		TT&C
18	13750 - 13770	S,T	850KF9D	Earth- to- Space	74.37	51.0964107	MTN-K91		TT&C



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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	11700 - 12200	6W	149W	5.297	5.69	101.86	257.78		MTN-K91
2	10950 - 11200	6W	149W	5.297	5.69	101.86	257.78		MTN-K91
3	11450 - 12200	6W	149W	5.297	5.69	101.86	257.78		MTN-K91
4	14000 - 14500	6W	149W	5.297	5.69	101.86	257.78	-1	MTN-K91
5	13778 - 14000	6W	149W	5.297	5.69	101.86	257.78	11.6	MTN-K91
6	17300 - 17800	6W	149W	5.297	5.69	101.86	257.78	4.2	MTN-K91
7	12200 - 12700	6W	149W	5.297	5.69	101.86	257.78		MTN-K91
8	13750 - 13770	6W	149W	5.297	5.69	101.86	257.78	11.6	MTN-K91



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D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1 to INTELSAT 30 (S2887) Geo (U.S.-licensed satellite)
- 2) 1 to DIRECTV D16 (S3039) Geo (U.S.-licensed satellite)
- 3) 1 to INTELSAT 14 (S2785) Geo (U.S.-licensed satellite)
- 4) 1 to SKY-B1 (S2922) Geo (U.S.-licensed satellite)
- 5) 1 to PERMITTED LIST Geo (U.S.-licensed satellite)
- 6) 1 to QUETZSAT-1 (E080058) Geo (MEX-licensed satellite)
- 7) 1 to INTELSAT 31 (S2924) Geo (U.S.-licensed satellite)
- 8) 1 to INTELSAT 904 (S2408) Geo (U.S.-licensed satellite)



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E) Antenna Facilities

#	Site ID	Antenna ID	Units	Diameter (Meters)	Manufacturer	Model Number	Site Elevation (Meters)	Max Antenna Height (Meters)	Special Provisions (Refer to Section H)
1	1	MTN-K91	1	14.2	TIW	14.2 METER	174.65	17.05 AGL / 191.7 AMSL	

Max Gains(s): 62.0 dBi @ 11.7000 GHz 62.0 dBi @ 11.2000 GHz 62.0 dBi @ 11.4500 GHz
 65.1 dBi @ 14.2500 GHz 65.1 dBi @ 14.0000 GHz 65.4 dBi @ 17.3000 GHz
 65.1 dBi @ 12.2000 GHz 65.1 dBi @ 13.7700 GHz

Maximum total input power at antenna flange(Watts): 195

Maximum aggregate output EIRP for all carriers(dBW): 88.3

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.
- 5 --- Licensee must notify the Commission when this earth station is no longer operational or when it has not been used to provide any service during any 6-month operation.
- 521 --- The grant of this application is subject to Licensee submitting an acceptable radiation hazard analysis report with the new near field power density formula in accordance with IEEE Std. C95.3-2021, Section D.4.4. "S_{nf} limit $16P/((\text{Eta})(\text{Pi})(\text{Dsquared}))$ ", within 180 calendar days of the publishing of the updated radiation hazard in OET's Bulletin 65. Licensee should not contemplate extension-of-time to meet this condition.
- 5241 --- The use of the frequency bands 10950 - 11200 and 11450 - 11700 MHz in the fixed satellite service is limited to international service.
- 5666 --- The Commission recently adopted a new part 100 to replace the part 25 rules that govern space communications. Space Modernization for the 21st Century, SB docket No. 25-306, Report and Order and Further Notice of Proposed Rulemaking, FCC 26-47 (rel. Jul. 23, 2026)(Space Modernization Report and Order and FNPRM). Those rule changes are not yet effective and will not become effective until the date announced by the Space Bureau via publication of a document in the Federal Register. See id. At para 420. Until then, part 25 remains in effect. However, once these new part 100 rule changes become effective, all space and earth station licensees and recipients of market access must fully comply with them, subject to any and all existing terms and conditions on active licenses and authorizations, unless specified otherwise.
- 90051 --- Operations in the bands 12.2-12.7 GHz (space-to-Earth) and 17.3-17.8 GHz (Earth-to-space) are conditionally granted for support of Direct Broadcast Service only and require prior coordination with DBS space station operators.
- 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, 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.