



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Intelsat License LLC

Call Sign: KA258

Authorization Type: Modification of License

File Number: SES-MFS-20190503-00560

Non Common Carrier

Grant date: 09/24/2025

Expiration Date: 03/31/2039

Nature of Service: Fixed Satellite Service

Class of Station: Fixed Earth Stations

A) Site Location(s)

#	Site ID	Address	Latitude	Longitude	Elevation (Meters)	Special Provisions NAD (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	UNK

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

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 March 31, 2024 (3 AM Eastern Standard Time) and ending March 31, 2039 (3 AM Eastern Standard Time) . The required date of completion of construction and commencement of operation is September 24, 2026 (3 AM Eastern Standard Time) . Grantee must file with the Commission a certification upon completion of construction and commencement of operation.

B) Particulars of Operations

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/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
1)	17790.5000-17791.5000	H, V, L, R	1M00F7D	Tx	87.40	63.42	MTN-K91		TT&C
2)	17788.5000-17789.5000	H, V, L, R	1M00F7D	Tx	87.40	63.42	MTN-K91		TT&C
3)	17300.0000-17800.0000	H, V, L, R	2M00F2D	Tx	83.30	56.30	MTN-K91		TT&C
4)	17300.0000-17800.0000	H, V, L, R	400KF2D	Tx	76.30	56.30	MTN-K91		TT&C
5)	14497.5250-14498.4750	H	950KG7D	Tx	74.50	50.74	MTN-K91		TT&C
6)	14000.0000-14500.0000	H, V, L, R	NON	Tx	51.10	51.10	MTN-K91		IOT
7)	14000.0000-14500.0000	H, V, L, R	2M00F9D	Tx	78.09	51.10	MTN-K91		TT&C
8)	14000.0000-14500.0000	H, V, L, R	400KF9D	Tx	71.10	51.10	MTN-K91		TT&C
9)	14000.0000-14500.0000	H, V, L, R	56K0G7W	Tx	62.56	51.10	MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE



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10)	14000.0000-14500.0000	H, V, L, R	72M0G7W	Tx	88.00	45.45	MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE
11)	13778.0000-14000.0000	H, V, L, R	850KF9D	Tx	74.37	51.10	MTN-K91		TT&C
12)	13750.0000-13770.0000	H, V, L, R	850KF9D	Tx	74.37	51.10	MTN-K91		TT&C
13)	13249.0250-13249.9750	V	950KG7D	Tx	87.50	63.74	MTN-K91		TT&C
14)	12697.7500-12698.2500	H, V, L, R	500KF7D	Rx			MTN-K91		TT&C
15)	12696.7500-12697.2500	H, V, L, R	500KF7D	Rx			MTN-K91		TT&C
16)	12200.0000-12700.0000	H, V, L, R	2M00F2D	Rx			MTN-K91		TT&C
17)	12200.0000-12700.0000	H, V, L, R	400KF2D	Rx			MTN-K91		TT&C
18)	11700.0000-12200.0000	H, V, L, R	56K0G7W	Rx			MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE
19)	11700.0000-12200.0000	H, V, L, R	72M0G7W	Rx			MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE
20)	11450.0000-12200.0000	H, V, L, R	NON	Rx			MTN-K91		IOT
21)	11450.0000-12200.0000	H, V, L, R	800KF9D	Rx			MTN-K91		TT&C
22)	11450.0000-12200.0000	H, V, L, R	800KG9D	Rx			MTN-K91		TT&C
23)	11450.0000-12200.0000	H, V, L, R	200KF3N	Rx			MTN-K91		DATA, VOICE AND VIDEO SERVICE
24)	11450.0000-12200.0000	H, V, L, R	2M00F3N	Rx			MTN-K91		DATA, VOICE AND VIDEO SERVICE
25)	11446.7500-11447.2500	V	500KG7D	Rx			MTN-K91		TT&C
26)	11446.2500-11446.7500	V	500KG7D	Rx			MTN-K91		TT&C
27)	11443.2500-11443.7500	V	500KG7D	Rx			MTN-K91		TT&C
28)	11442.7500-11443.2500	V	500KG7D	Rx			MTN-K91		TT&C
29)	10950.0000-11200.0000	H, V, L, R	NON	Rx			MTN-K91		IOT
30)	10950.0000-11200.0000	H, V, L, R	800KF9D	Rx			MTN-K91		TT&C
31)	10950.0000-11200.0000	H, V, L, R	800KG9D	Rx			MTN-K91		TT&C



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#	Frequency (MHz)	Polarization Code	Emission	Tx/Rx Mode	Max EIRP /Carrier (dBW)	Max EIRP Density /Carrier (dBW/4kHz)	Associated Antenna	Special Provisions (Refer to Section H)	Modulation/ Services
32)	10950.0000-11200.0000	H, V, L, R	2M00F3N	Rx			MTN-K91		DATA, VOICE AND VIDEO SERVICE
33)	10950.0000-11200.0000	H, V, L, R	200KF3N	Rx			MTN-K91		DIGITAL DATA, VOICE AND VIDEO SERVICE

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)	13750.0000-13770.0000	6.0W-149.0W		05.3-05.7		101.9-257.8		11.6	MTN-K91
2)	14000.0000-14500.0000	6.0W-149.0W		05.3-05.7		101.9-257.8		-1	MTN-K91
3)	17300.0000-17800.0000	6.0W-149.0W		05.3-05.7		101.9-257.8		4.2	MTN-K91
4)	10950.0000-11200.0000	6.0W-149.0W		05.3-05.7		101.9-257.8			MTN-K91
5)	11450.0000-12200.0000	6.0W-149.0W		05.3-05.7		101.9-257.8			MTN-K91
6)	13249.0250-13249.9750	6.0W-149.0W		05.3-05.7		101.9-257.8		9.48	MTN-K91
7)	17790.5000-17791.5000	6.0W-149.0W		05.3-05.7		101.9-257.8		8.74	MTN-K91
8)	17788.5000-17789.5000	6.0W-149.0W		05.3-05.7		101.9-257.8		8.74	MTN-K91
9)	14497.5250-14498.4750	136.0W-136.0W		15.6-15.6		248.5-248.5		-0.07	MTN-K91
10)	13778.0000-14000.0000	6.0W-149.0W		05.3-05.7		101.9-257.8		11.6	MTN-K91

D) Points of Communications

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

- 1) 1 to Permitted Space Station List
- 2) 1 to INTELSAT 14 (S2785) @ 45 degrees W.L. (U.S.-licensed)
- 3) 1 to INTELSAT 30 (S2887) @ 95.05 degrees W.L. (U.S.-licensed)
- 4) 1 to INTELSAT 31 (S2924) @ 95.05 degrees W.L. (U.S.-licensed)
- 5) 1 to SKY-B1 (S2922) satellite @ 43.15 degrees W.L. (U.S.-licensed)
- 6) 1 to DIRECTV D16 (S3039) @ 100.85 W.L. - Direct Broadcast Satellite System (U.S.-licensed)
- 7) 1 to INTELSAT 904 (S2408) @ 29.5 W.L. (U.S.-licensed)



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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	MTN-K91	1	14.2	TIW	14.2 METER	174.65	17.05 AGL/ 191.7 AMSL	
Max Gains(s): 65.1 dBi @ 14.2500 GHz 62.0 dBi @ 11.4500 GHz 65.4 dBi @ 17.0000 GHz 65.1 dBi @ 13.2500 GHz								
Maximum total input power at antenna flange (Watts) =					195.00			
Maximum aggregate output EIRP for all carriers (dBW) =					88.30			

G) Antenna Structure marking and lighting requirements:

None unless otherwise specified under Special and General Provisions

H) Special and General Provisions

A) This RADIO 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.

9 --- Site location coordinates are based on the WGS84 datum.

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.

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.



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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 is not ready for operation by the required date of completion of construction unless an application for modification of authorization to request additional time to complete construction is filed by that date, together with a showing that failure to complete construction 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.