



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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	5281 EAST GARTON ROAD (CASTLE ROCK TELEPORT) CASTLE ROCK, DOUGLASS, CO 80104	39°16'36.2"N	104°48'26.1"W	2087	83

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 September 30, 2008 (3 AM Eastern Standard Time) and ending September 30, 2023 (3 AM Eastern Standard Time). The required date of completion of construction and commencement of operation is 00/00/0000. 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)	14497.0000-14497.0000	H, V	1M00NON	Tx	73.90	49.92	12.5M		COMMAND. Emission NON denotes an unmodulated RF carrier used within the communications transmission network for testing purposes or as pilots, beacons.
2)	14000.0000-14500.0000	H, V	43M0G7W	Tx	85.00	45.70	12.5M		DIGITAL DATA
3)	14000.0000-14500.0000	H, V	750KF2D	Tx	72.00	49.27	12.5M		COMMAND CARRIER
4)	14000.0000-14500.0000	H, V	43G0G7W	Tx	85.00	45.69	12.5M		DIGITAL VIDEO & DATA
5)	14000.0000-14500.0000	H, V	64K0G7W	Tx	56.50	44.46	12.5M		DIGITAL VIDEO & DATA



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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
6)	13750.0000-14000.0000	H,V	750KF2D	Tx	85.00	62.30	12.5M		TT&C, COMMAND. Emission NON denotes an unmodulated RF carrier used within the communications transmission network for testing purposes or as pilots, beacons.
7)	12190.0000-12200.0000	H,V	70K0N0N	Rx			12.5M		TELEMETRY
8)	11700.0000-12200.0000	H,V	43M0G7W	Rx			12.5M		DIGITAL DATA
9)	11700.0000-12200.0000	H,V	750KF2D	Rx			12.5M		COMMAND CARRIER
10)	11700.0000-12200.0000	H,V	43G0G7W	Rx			12.5M		DIGITAL VIDEO & DATA
11)	11700.0000-12200.0000	H,V	64K0G7W	Rx			12.5M		DIGITAL VIDEO & DATA
12)	11450.0000-11700.0000	H,V	750KF2D	Rx			12.5M		TT&C
13)	14497.0000-14497.0000	H,V	1M00N0N	Tx	68.50	44.52	7.6 Group		COMMAND. Emission NON denotes an unmodulated RF carrier used within the communications transmission network for testing purposes or as pilots, beacons.
14)	14000.0000-14500.0000	H,V	43M0G7W	Tx	85.00	44.70	7.6 Group		DIGITAL DATA
15)	14000.0000-14500.0000	H,V	750KF2D	Tx	67.00	44.27	7.6 Group		COMMAND CARRIER
16)	14000.0000-14500.0000	H,V	43G0G7W	Tx	85.00	44.69	7.6 Group		DIGITAL VIDEO & DATA
17)	12190.0000-12200.0000	H,V	70K0N0N	Rx	0.00	0.00	7.6 Group		TELEMETRY
18)	11700.0000-12200.0000	H,V	43M0G7W	Rx			7.6 Group		DIGITAL DATA
19)	11700.0000-12200.0000	H,V	750KF2D	Rx			7.6 Group		COMMAND CARRIER
20)	11700.0000-12200.0000	H,V	43G0G7W	Rx			7.6 Group		DIGITAL VIDEO & DATA
21)	11700.0000-12200.0000	H,V	64K0G7W	Rx			7.6 Group		DIGITAL VIDEO & DATA
22)	14498.0000-14498.0000	H	950KG7D	Tx	73.00	49.50	CF-1-12.5		TT&C
23)	14000.0000-14500.0000	H,V	750KF2D	Tx	72.00	49.27	CF-1-12.5		COMMAND



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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
24)	14000.0000-14500.0000	H, V	750KF2D	Tx	73.90	49.92	CF-1-12.5		COMMAND
25)	14000.0000-14500.0000	H, V	43M0G7W	Tx	77.23	36.93	CF-1-12.5		DIGITAL VIDEO AND DATA
26)	14000.0000-14500.0000	H, V	64K0G7W	Tx	56.50	44.46	CF-1-12.5		DIGITAL VIDEO AND DATA
27)	13750.0000-14000.0000	H, V, L, R	900KF2D	Tx	85.00	61.50	CF-1-12.5		COMMAND CARRIER
28)	13750.0000-14000.0000	H, V	750KF2D	Tx	85.00	61.30	CF-1-12.5		TT&C AND COMMAND
29)	13249.5000-13249.5000	V	950KG7D	Tx	85.00	61.50	CF-1-12.5		TT&C
30)	12190.0000-12200.0000	H, V	64K0N0N	Rx			CF-1-12.5		TELEMETRY Emission NON denotes an unmodulated RF carrier used within the communications transmission network for testing purposes or as pilots, beacons.
31)	11700.0000-12200.0000	H, V	750KF2D	Rx			CF-1-12.5		COMMAND
32)	11700.0000-12200.0000	H, V	43M0G7W	Rx			CF-1-12.5		DIGTL DATA
33)	11700.0000-12200.0000	H, V	64K0G7W	Rx			CF-1-12.5		DIGITAL VIDEO AND DATA
34)	11700.0000-12200.0000	H, V	64K0N0N	Rx			CF-1-12.5		COMMAND. Emission NON denotes an unmodulated RF carrier used within the communications transmission network for testing purposes or as pilots, beacons.
35)	11450.0000-11700.0000	H, V	750KF2D	Rx			CF-1-12.5		TT&C AND COMMAND
36)	11447.0000-11447.0000	V	500KG7D	Rx			CF-1-12.5		TT&C
37)	11446.5000-11446.5000	V	500KG7D	Rx			CF-1-12.5		TT&C
38)	11443.5000-11443.5000	V	500KG7D	Rx			CF-1-12.5		TT&C
39)	11443.0000-11443.0000	V	500KG7D	Rx			CF-1-12.5		TT&C
40)	10950.0000-11200.0000	H, V, L, R	600KF2D	Rx			CF-1-12.5		TELEMETRY CARRIER



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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
41)	14497.0000-14497.0000	H, V	1M00NON	Tx	68.50	44.52	CK-4/5		COMMAND. Emission NON denotes an unmodulated RF carrier used within the communications transmission network for testing purposes or as pilots, beacons.
42)	14000.0000-14500.0000	H, V	43M0G7W	Tx	85.00	44.70	CK-4/5		DIGITAL DATA
43)	14000.0000-14500.0000	H, V	64K0G7W	Tx	56.70	44.60	CK-4/5		COMMAND CARRIER
44)	14000.0000-14500.0000	H, V	750KF2D	Tx	67.00	44.27	CK-4/5		COMMAND CARRIER
45)	14000.0000-14500.0000	H, V	43G0G7W	Tx	85.00	44.69	CK-4/5		DIGITAL VIDEO & DATA
46)	12190.0000-12200.0000	H, V	70K0NON	Rx	0.00	0.00	CK-4/5		TELEMETRY
47)	11700.0000-12200.0000	H, V	750KF2D	Rx			CK-4/5		COMMAND CARRIER
48)	11700.0000-12200.0000	H, V	43M0G7W	Rx	0.00	0.00	CK-4/5		DIGITAL DATA
49)	11700.0000-12200.0000	H, V	43M0G7W	Rx			CK-4/5		DIGITAL VIDEO & DATA
50)	14497.0000-14497.0000	H, V	1M00NON	Tx	69.50	45.52	CK1-7.6		COMMAND. Emission NON denotes an unmodulated RF carrier used within the communications transmission network for testing purposes or as pilots, beacons.
51)	14000.0000-14500.0000	H, V	43M0G7W	Tx	85.00	45.69	CK1-7.6		DIGITAL DATA
52)	14000.0000-14500.0000	H, V	64K0G7W	Tx	56.70	44.66	CK1-7.6		COMMAND CARRIER
53)	14000.0000-14500.0000	H, V	750KF2D	Tx	67.00	44.27	CK1-7.6		COMMAND CARRIER
54)	14000.0000-14500.0000	H, V	43G0G7W	Tx	85.00	44.69	CK1-7.6		DIGITAL VIDEO & DATA
55)	13999.0000-13999.0000	H, V	750KF2D	Tx	85.00	62.30	CK1-7.6		TT&C
56)	13751.0000-13751.0000	H, V	750KF2D	Tx	85.00	62.30	CK1-7.6		TT&C
57)	13750.0000-14000.0000	H, V, L, R	900KF2D	Tx	85.00	61.50	CK1-7.6		COMMAND CARRIER
58)	12190.0000-12200.0000	H, V	70K0NON	Rx	0.00	0.00	CK1-7.6		TELEMETRY



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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
59)	11700.0000-12200.0000	H, V	43M0G7W	Rx			CK1-7.6		DIGITAL DATA
60)	11700.0000-12200.0000	H, V	64K0G7W	Rx			CK1-7.6		COMMAND CARRIER
61)	11700.0000-12200.0000	H, V	750KF2D	Rx			CK1-7.6		COMMAND CARRIER
62)	11700.0000-12200.0000	H, V	43G0G7W	Rx			CK1-7.6		DIGITAL VIDEO & DATA
63)	11450.0000-11700.0000	H, V	750KF2D	Rx			CK1-7.6		TT&C
64)	10950.0000-11200.0000	H, V, L, R	600KF2D	Rx			CK1-7.6		TELEMETRY CARRIER
65)	14499.5000-14499.5000	H, V, L, R	1M00F7D	Tx	85.00	61.00	K01		TT&C
66)	13997.5000-13997.5000	H, V, L, R	850KF7D	Tx	85.00	61.00	K01		TT&C
67)	12198.7500-12198.7500	H, V, L, R	300KF7D	Rx			K01		TT&C
68)	12198.2500-12198.2500	H, V, L, R	300KF7D	Rx			K01		TT&C
69)	14499.5000-14499.5000	H, V, L, R	1M00F7D	Tx	85.00	61.00	K16		TT&C
70)	13997.5000-13997.5000	H, V, L, R	850KF7D	Tx	85.00	61.00	K16		TT&C
71)	12198.7500-12198.7500	H, V, L, R	300KF7D	Rx			K16		TT&C
72)	12198.7500-12198.7500	H, V, L, R	300KF7D	Rx			K16		TT&C

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)	14000.0000-14500.0000	70.0W-135.0W		32.1-34.9		132.3-222.6		-19.88	7.6 Group
2)	11700.0000-12200.0000	70.0W-135.0W		32.1-34.9		132.3-222.6		0	7.6 Group
3)	14000.0000-14500.0000	70.0W-135.0W		32.1-34.9		132.3-222.6		-20.08	CK-4/5
4)	11700.0000-12200.0000	70.0W-135.0W		32.1-34.9		132.3-222.6		0	CK-4/5
5)	13750.0000-14000.0000	95.0W-95.0W		43.4-43.4		164.7-164.7		-4.8	CK1-7.6
6)	11450.0000-11700.0000	80.0W-110.0W		37.8-44.2		143.9-188.2		0	CK1-7.6
7)	14000.0000-14500.0000	70.0W-135.0W		32.1-34.9		132.3-222.6		-19.85	CK1-7.6



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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		
8)	11700.0000-12200.0000	70.0W	135.0W	32.1	34.9	132.3	222.6	0	CK1-7.6
9)	13750.0000-14000.0000	94.9W	95.1W	43.4	43.4	164.9	164.9	-4.8	CK1-7.6
10)	10950.0000-11200.0000	94.9W	95.1W	43.4	43.4	164.9	164.9	0	CK1-7.6
11)	11450.0000-11700.0000	80.0W	110.0W	37.8	44.2	143.9	188.2		CF-1-12.5
12)	13750.0000-14000.0000	95.0W	95.0W	43.4	43.4	164.7	164.7	-6.9	CF-1-12.5
13)	11700.0000-12200.0000	33.0W	176.0W	05.3	05.8	101.8	257.8		CF-1-12.5
14)	14000.0000-14500.0000	33.0W	176.0W	05.3	05.8	101.8	257.8	-1.38	CF-1-12.5
15)	13750.0000-14000.0000	94.9W	95.1W	43.4	43.4	164.9	164.9	-6.9	CF-1-12.5
16)	10950.0000-11200.0000	94.9W	95.1W	43.4	43.4	164.9	164.9	0	CF-1-12.5
17)	13249.5000-13249.5000	33.0W	177.0W	05.3	05.0	101.8	258.5	11.77	CF-1-12.5
18)	13750.0000-14000.0000	95.0W	95.0W	43.4	43.4	164.7	164.7	-6.9	12.5M
19)	11450.0000-11700.0000	80.0W	110.0W	37.8	44.2	143.9	188.2		12.5M
20)	14000.0000-14500.0000	70.0W	135.0W	32.1	34.9	132.3	222.6	-4.5	12.5M
21)	11700.0000-12200.0000	70.0W	135.0W	32.1	34.9	132.3	222.6		12.5M
22)	14499.5000-14499.5000	74.8W	76.8W	35.0	36.1	137.6	140.0	-7.31	K01
23)	13997.5000-13997.5000	74.8W	76.8W	35.0	36.1	137.6	140.0	-7.31	K01
24)	14499.5000-14499.5000	74.8W	76.8W	35.0	36.1	137.6	140.0	-7.31	K16
25)	13997.5000-13997.5000	74.8W	76.8W	35.0	36.1	137.6	140.0	-7.31	K16

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 30 (S2887) @ 95.05 degrees W.L. (U.S.-licensed)
- 3) 1 to INTELSAT 31 (S2924) @ 95.05 degrees W.L. (U.S.-licensed)
- 4) 1 to SKY-B1 (S2922) satellite @ 43.15 degrees W.L. (U.S.-licensed)
- 5) 1 to INTELSAT 16 (S2750) @ 76.2 W.L. (U.S.-licensed)



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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	12.5M	1	12.5	NEC	12.5M	2087	14 AGL/ 2101.9 AMSL	
	Max Gains(s): 62.0 dBi @ 12.0000 GHz 64.0 dBi @ 14.0000 GHz							
	Maximum total input power at antenna flange (Watts) = 125.90							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.00							
1	7.6 Group	5	7.6	NEC	APS-12/14-F07	2087	9.8 AGL/ 2097.7 AMSL	
	Max Gains(s): 57.1 dBi @ 12.0000 GHz 58.9 dBi @ 14.0000 GHz							
	Maximum total input power at antenna flange (Watts) = 401.40							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.00							
1	CF-1-12.5	1	12.5	NEC	12.5M	2087	14 AGL/ 2101.9 AMSL	
	Max Gains(s): 62.0 dBi @ 12.0000 GHz 64.0 dBi @ 14.0000 GHz 13.2500 GHz							
	Maximum total input power at antenna flange (Watts) = 125.90							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.00							
1	CK-4/5	2	8.1	HARRIS	5,349	2087	10 AGL/ 2097.9 AMSL	
	Max Gains(s): 57.8 dBi @ 12.0000 GHz 59.1 dBi @ 14.0000 GHz							
	Maximum total input power at antenna flange (Watts) = 389.00							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.00							
1	CK1-7.6	1	7.6	NEC	90670A	2087	9.8 AGL/ 2097.7 AMSL	
	Max Gains(s): 57.1 dBi @ 12.0000 GHz 59.7 dBi @ 14.0000 GHz							
	Maximum total input power at antenna flange (Watts) = 338.80							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.00							
1	K01	1	12.5	NEC	12.5M.	2087	14 AGL/ 2101 AMSL	
	Max Gains(s): 62.0 dBi @ 12.0000 GHz 64.0 dBi @ 14.0000 GHz 13.2500 GHz							
	Maximum total input power at antenna flange (Watts) = 125.90							
	Maximum aggregate output EIRP for all carriers (dBW) = 85.00							



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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	K16	1	8.1	HARRIS	5349	2087	10 AGL/ 2097 AMSL	
Max Gains(s): 57.8 dBi @ 12.0000 GHz 59.1 dBi @ 14.0000 GHz								
Maximum total input power at antenna flange (Watts) =					389.00			
Maximum aggregate output EIRP for all carriers (dBW) =					85.00			

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 Bureau Filing System (MyIBFS) using the "Pleadings and Comments" link on the MyIBFS 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.
- 6 --- Licensee must comply with the license modification and notification requirements of 47 CFR § 25.118 to change the coordinates of its authorized earth station.

3212 --- The licensee shall take extraordinary measures to ensure that multiple antennas co-located at the same site do not create potential exposure to radiofrequency radiation in excess of FCC safety guidelines. Antennas shall be surrounded by a fence, at least 2 meters tall with a locked gate, to prevent human exposure in excess of the FCC-specified safety limit of 1 mW/cm². Warning signs, such as those discussed in the FCC's OET Bulletin 65, shall be posted informing members of the public to keep outside the locked area. All operations must be in compliance with Section 1.1307 (b)(3) of the Commission's Rules. (See 47 CFR 1.1307 (b) (3)).

3841 --- The use of the frequency bands 10.7-11.7 GHz and 12.75-13.25 GHz in the fixed-satellite service is limited to international systems.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

H) Special and General Provisions

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

- 6649 --- Intelsat's request for waiver of footnote NG52 of the United States Table of Allocations, 47 C.F.R. § 2.106, to use the 10.95-11.2 GHz frequency band for the limited purpose of TT&C on an unprotected, non-interference basis in the United States is GRANTED, as conditioned. We find that waiver of footnote NG52 does not undermine the purpose of the rules because the waiver involves only earth stations that are receive-only in the 10.95-11.2 GHz frequency band and thus are not capable of causing interference into fixed stations operating in this band. Furthermore, because Intelsat has agreed to accept any level of interference from fixed stations into its receive-only earth stations' operations in these bands, fixed station operators will not be required to coordinate their station operations with the space station operator's receive-only earth stations' operations. Under these circumstances, we determine that an additional coordination burden is not placed upon fixed station operators and their ability to expand service in the future would not be restricted in any manner. Grant of this waiver is consistent with prior Commission precedent.
- 6650 --- SES- MOD-20141030-00834 is authorized to conduct telemetry, tracking, and command operations on 11.1980/11.1985 GHz or 11.19925/11.19975 GHz frequencies (space-to-Earth) and on 13.7505 GHz and 14.0035 GHz frequencies (Earth-to-space) for Intelsat 30 (S2887).
- 6651 --- SES- MOD-20141030-00834 is authorized to conduct telemetry, tracking, and command operations on 11.1980/11.1985 GHz or 11.19925/11.19975 GHz frequencies (space-to-Earth) and on 13.7505 GHz and 14.0035 GHz frequencies (Earth-to-space) for Intelsat 30 (S2887).
- 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.
- 90397 --- Telemetry, tracking and command (TT&C) operations identified in part B, Particulars of Operation in this authorization may be transmitted within the assigned bands that are not at a band edge only if the transmissions cause no greater interference and require no greater protection from harmful interference than the communications traffic on the satellite network or have been coordinated with operators of authorized co-frequency space stations at orbital locations within six degrees of the assigned orbital location. Frequencies, polarization, and coding of telemetry, tracking, and command transmissions must be selected to minimize interference into other satellite networks.
- 90398 --- Changes to previously authorized transmitting facilities, operations and devices regulated by the Commission that may have significant environmental impact, and are not excluded by §1.1306, require the preparation of an Environmental Assessment (EA) by the licensee. (See 47 C.F.R. §§1.1307, 1.1308 and 1.1311)
- 90399 --- The licensee shall, at all times, take all necessary measures to ensure that operation of this (these) authorized earth station(s) does not create potential exposure of humans to radiofrequency radiation in excess of the FCC exposure limits defined in 47 CFR §§ 1.1307(b) and 1.1310. Physical measures must be taken to ensure compliance with limits for both occupational/controlled exposure and for general population/uncontrolled exposure, as defined in these rule sections. Compliance can be accomplished in most cases by appropriate restrictions, such as fencing. Requirements for restrictions can be determined by predictions based on calculations, modeling, or by field measurements. The FCC's OET Bulletin 65 (available on-line at www.fcc.gov/oet/rfsafety) provides information on predicting exposure levels and on methods for ensuring compliance, including the use of warning and alerting signs and protective equipment for workers.



UNITED STATES OF AMERICA
FEDERAL COMMUNICATIONS COMMISSION
RADIO STATION AUTHORIZATION

Name: Intelsat License LLC

Call Sign: KL92

Authorization Type: Modification of License

File Number: SES-MOD-20180611-01388

Non Common Carrier

Grant date: 06/21/2019

Expiration Date: 09/30/2023

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.

