



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
445 12th STREET S.W.  
WASHINGTON D.C. 20554

News media information 202-418-0500  
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Report No. SES-02237

Wednesday January 29, 2020

## Satellite Communications Services Information re: Actions Taken

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

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**SES-AFS-20190719-00929**    E E080100    Global Eagle Telecom Licensing Subsidiary LLC  
Amendment  
Grant of Authority    Date Effective: 01/22/2020

**Class of Station:**    Other

**Nature of Service:**    Earth Station Aboard Aircraft, Fixed Satellite Service, Other

SITE ID:    1  
LOCATION:    (.6M AeroSat Avionics) 1000 UNITS CONUS, PR, USTERR WATERS

ANTENNA ID:	1	0.6 meters	AeroSat Avionics	70-100-0000-01
	14050.0000 - 14470.0000 MHz	1M60G7D	38.60 dBW	QPSK OR OCTAL PSK
	11700.0000 - 12200.0000 MHz	36M0G7D	0.00 dBW	QPSK OR OCTAL PSK

SITE ID:    2  
LOCATION:    (.62M TECOM) 1000 UNITS CONUS, PR, USVI USTerr Waters

ANTENNA ID:	2	0.62 meters	TECOM	Ku-Stream
	14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	6M40G7D	43.80 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	1M60G7D	38.80 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz	3M20G7D	41.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	36.00 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M20G7D	42.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	42.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	42.80 dBW	QPSK OR OCTAL PSK
12250.0000 - 12750.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11450.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10700.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	43.80 dBW	QPSK OR OCTAL PSK
12500.0000 - 12750.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M02G7D	41.30 dBW	QPSK OR OCTAL PSK
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11450.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M02G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	43.80 dBW	QPSK OR OCTAL PSK
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK

SITE ID: 3  
LOCATION: (.63M QEST) 1000 UNITS CONUS, PR, USVI USTerr Waters

ANTENNA ID: 3                      0.63 meters              QEST                      Q050000

14050.0000 - 14470.0000 MHz	4M09G7D	41.90 dBW	QPSK OR OCTAL PSK
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14050.0000 - 14470.0000 MHz	2M04G7D	41.90 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M02G7D	41.90 dBW	QPSK OR OCTAL PSK
12200.0000 - 12500.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11450.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10700.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	43.80 dBW	QPSK OR OCTAL PSK

**Points of Communication:**

- 1 - AMC 9 (S2434) - (83 W.L.)
- 1 - HORIZONS 1 (S2475) - (127 WL)
- 1 - SES-1 (S2807) - (101.0 W.L.)
- 2 - AMC 2 - (84.85)
- 2 - AMC 9 (S2434) - (83 W.L.)
- 2 - AMC-1(S2445) - (130.90)
- 2 - AMC-3 - (72 W.L.)
- 2 - E117 WA (S2873) - (116.8 W.L.)
- 2 - ESTRELA DO SUL 2 - (63 W.L.)
- 2 - EUTELSAT115WA(S2589) - (114.9 W.L.)
- 2 - EUTELSAT115WB(S2938) - (114.9 W.L.)
- 2 - EUTELSAT133WA(S3031) - (132.85)
- 2 - HORIZONS 1 (S2475) - (127 WL)
- 2 - INTELSAT 19 (S2850) - (166.0 E.L.)
- 2 - INTELSAT 29e (S2913) - (50.0 W.L.)
- 2 - SES-1 (S2807) - (101.0 W.L.)
- 2 - SES-10 (S2950) - (66.9 W.L.)

- 2 - SES-14 (S2974) - (47.5 W.L.)
- 2 - SES-15 (S2951) - (129.15 W.L)
- 2 - SES-6 (S2870) - (40.5 W.L.)
- 2 - TELSTAR 11N (S2357) - (37.5 W.L.)
- 2 - Telstar 12 (S2462) - (109.2)
- 3 - AMC 2 - (84.85)
- 3 - AMC 9 (S2434) - (83 W.L.)
- 3 - AMC-1(S2445) - (130.90)
- 3 - AMC-3 - (72 W.L.)
- 3 - EUTELSAT115WB(S2938) - (114.9 W.L.)
- 3 - EUTELSAT133WA(S3031) - (132.85)
- 3 - INTELSAT 29e (S2913) - (50.0 W.L.)
- 3 - SES-1 (S2807) - (101.0 W.L.)
- 3 - SES-10 (S2950) - (66.9 W.L.)
- 3 - SES-14 (S2974) - (47.5 W.L.)
- 3 - SES-15 (S2951) - (129.15 W.L)
- 3 - Telstar 12 (S2462) - (109.2)

**SES-AMD-20181016-03279** E E181228 Charter Communications Operating, LLC

Amendment

Grant of Authority

Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 11011 E Peakview Ave, Arapahoe, Centennial, CO  
39 ° 35 ' 57.90 " N LAT.

104 ° 51 ' 37.60 " W LONG.

ANTENNA ID:	1	5 meters	ATCi	Simulsat 5M
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
		3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 4	4.6 meters Scientific-Atlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 5	4.5 meters Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters DH Satellite	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	5 meters SIMULSAT 5	UNKNOWN
3700.0000 - 4200.0000 MHz	36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-AMD-20181016-03289** E E181210 Charter Communications Operating, LLC  
Amendment

Grant of Authority

Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 3740 All American Blvd (Orlando All-American), Orange, Orlando, FL

28 ° 36 ' 33.00 " N LAT.

81 ° 25 ' 25.10 " W LONG.

ANTENNA ID: 1 5 meters ATCi Simulsat 5M

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 2	5 meters Scientific-Atlanta	8008B
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 3	4.6 meters Andrew	ESA46
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 4	4.6 meters Scientific-Atlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 5	4.5 meters Andrew	ESA45
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 6	4.5 meters DH Satellite	4.5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 7	4.5 meters Scientific-Atlanta	8345
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 8	3.8 meters Comtech	934D0015-G5
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 9	3.7 meters Prodelin	1374
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 10	1.8 meters Patriot	TX-INT180KU
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video, Audio, Data
ANTENNA ID: 11	7 meters SIMULSAT	7A M.
3700.0000 - 4200.0000 MHz	36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-AMD-20181016-03290** E E181226 Charter Communications Operating, LLC  
 Amendment  
 Grant of Authority

Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 20 N Orange Ave, Orange, Orlando, FL  
28 ° 32 ' 33.50 " N LAT.

81 ° 22 ' 46.10 " W LONG.

ANTENNA ID:	1	5 meters	ATCi	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11-1	3.1 meters	PATRIOT	PRT-310AZ
	3700.0000 - 4200.0000 MHz		36M0G7W	MODULATION AND SERVICES VIDEO, AUDIO, DATA
ANTENNA ID:	12-2	3.1 meters	PATRIOT	PRT-310AZ

3700.0000 - 4200.0000 MHz	36M0G7W	MODULATION AND SERVICES VIDEO, AUDIO, DATA
ANTENNA ID: 13-3	3.1 meters	PATRIOT
		PRT-310AZ
3700.0000 - 4200.0000 MHz	36M0G7W	MODULATION AND SERVICES VIDEO, AUDIO, DATA
ANTENNA ID: 14-4	1.8 meters	SEG
		PRODELIN 1183
3700.0000 - 4200.0000 MHz	36M0G7W	MODULATION AND SERVICES VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-ASG-20191119-01523</b>	E E182052	WITI License, LLC ( d/b/a C/O NEXSTAR MEDIA GROUP, INC. )
Application for Consent to Assignment		
Grant of Authority		Date Effective: 01/28/2020
<b>Current Licensee:</b>	WITI License, LLC	
<b>FROM:</b>	WITI LICENSE, LLC	
<b>TO:</b>	Fox Television Stations, LLC	
		No. of Station(s) listed: 2

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<b>SES-ASG-20191120-01531</b>	E E890118	WITI License, LLC ( d/b/a C/O NEXSTAR MEDIA GROUP, INC. )
Application for Consent to Assignment		
Grant of Authority		Date Effective: 01/27/2020
<b>Current Licensee:</b>	WITI License, LLC	
<b>FROM:</b>	c/o Nexstar Media Group, Inc.	
<b>TO:</b>	Fox Television Stations, LLC	
		No. of Station(s) listed: 1

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<b>SES-ASG-20191120-01532</b>	E E180280	Tribune Broadcasting Seattle, LLC
Application for Consent to Assignment		
Grant of Authority		Date Effective: 01/28/2020
<b>Current Licensee:</b>	Tribune Broadcasting Seattle, LLC	
<b>FROM:</b>	c/o Nexstar Media Group, Inc.	
<b>TO:</b>	Fox Television Stations, LLC	
		No. of Station(s) listed: 1

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<b>SES-ASG-20191120-01533</b>	E E030207	Tribune Broadcasting Seattle, LLC
Application for Consent to Assignment		
Grant of Authority		Date Effective: 01/27/2020
<b>Current Licensee:</b>	Tribune Broadcasting Seattle, LLC	
<b>FROM:</b>	c/o Nexstar Media Group, Inc.	
<b>TO:</b>	Fox Television Stations, LLC	
		No. of Station(s) listed: 4

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**SES-LIC-20191003-01268** E E190776 Live Mobile Group LLC  
Application for Authority 01/22/2020 - 01/22/2035  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 515 Brick Church Park Dr, Nashville, TN

ANTENNA ID:	1	2.4 meters	AVL	2400K
	14000.0000 - 14500.0000 MHz	36M0G7W	73.90 dBW	Digital Video, Digital Audio, and Associated Metadata

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-LIC-20191023-01383** E E190886 WML Services, LLC  
Application for Authority 01/16/2020 - 01/16/2035  
Grant of Authority Date Effective: 01/16/2020

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

This application was granted on January 16, 2020 and appeared on the Report No. SES-02234 as accepted for filing, dated January 22, 2020 in error. The application should have been on the Report No. SES-02235, as actions taken dated January 22, 2020.

SITE ID: 1  
LOCATION: ALL US TERRITORIES (NY2 NS-6), CONUS, AK, HI,

ANTENNA ID:	NS-6	1.8 meters	AVL Technologies	1810
	11700.0000 - 12200.0000 MHz	36M0G7F	0.00 dBW	Compressed Digital Video and Audio
	11700.0000 - 12200.0000 MHz	4M00G7F	0.00 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	36M0G7F	71.52 dBW	Compressed Digital Video and Audio
	14000.0000 - 14500.0000 MHz	4M00G7F	64.28 dBW	Compressed Digital Video and Audio

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-LIC-20191210-01683** E E191482 KHOU-TV, Inc.  
Application for Authority 01/28/2020 - 01/28/2035  
Grant of Authority Date Effective: 01/28/2020

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 5718 Westheimer Rd. Suite 311, Harris, Houston, TX

ANTENNA ID:	1	1.4 meters	AVL Technologies	1410K
	14000.0000 - 14500.0000 MHz	36M0G7W	64.50 dBW	One 36 Mbit MCPC digital carrier for voice/data.

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-MFS-20190312-00328</b>	E	E080100	Global Eagle Telecom Licensing Subsidiary LLC	
Modification				08/05/2009 - 08/05/2024
Grant of Authority				Date Effective: 01/22/2020

**Class of Station:** Other

**Nature of Service:** Earth Station Aboard Aircraft, Fixed Satellite Service

SITE ID: 1

LOCATION: (0.6m AeroSat Avionics) 1000 UNITS CONUS, +TERR, INTERNATIONAL WATERS

ANTENNA ID:	1	0.6 meters	AeroSat Avionics	70-100-0000-01
	14050.0000 - 14470.0000 MHz	1M60G7D	38.60 dBW	QPSK OR OCTAL PSK
	11700.0000 - 12200.0000 MHz	36M0G7D	0.00 dBW	QPSK OR OCTAL PSK

SITE ID: 2

LOCATION: (0.62m TECOM) 1000 UNITS CONUS, PR, USVI USTerr Waters

ANTENNA ID:	2	0.62 meters	TECOM	Ku-Stream
	14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	6M40G7D	43.80 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	1M60G7D	38.80 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	3M20G7D	41.80 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	1M60G7D	36.00 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	1M60G7D	41.30 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	3M20G7D	43.80 dBW	QPSK OR OCTAL PSK
	14050.0000 - 14470.0000 MHz	1M20G7D	42.80 dBW	QPSK OR OCTAL PSK

14050.0000 - 14470.0000 MHz	2M04G7D	42.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	42.80 dBW	QPSK OR OCTAL PSK
12250.0000 - 12750.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11450.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10700.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	43.80 dBW	QPSK OR OCTAL PSK
12500.0000 - 12750.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M02G7D	41.30 dBW	QPSK OR OCTAL PSK
11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11450.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M02G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	43.80 dBW	QPSK OR OCTAL PSK
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK

SITE ID: 3

LOCATION: (0.63m QEST) 1000 UNITS CONUS, PR, USVI USTerr Waters

ANTENNA ID: 3                      0.63 meters                      QEST                      Q050000

14050.0000 - 14470.0000 MHz	4M09G7D	41.90 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	41.90 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	1M02G7D	41.90 dBW	QPSK OR OCTAL PSK
12200.0000 - 12500.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
11450.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK

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11200.0000 - 11450.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10950.0000 - 11200.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
10700.0000 - 11700.0000 MHz	36M0G7D		QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	2M04G7D	43.80 dBW	QPSK OR OCTAL PSK
14050.0000 - 14470.0000 MHz	4M09G7D	43.80 dBW	QPSK OR OCTAL PSK

**Points of Communication:**

- 1 - AMC 9 (S2434) - (83 W.L.)
- 1 - HORIZONS 1 (S2475) - (127 WL)
- 1 - SES-1 (S2807) - (101.0 W.L.)
- 2 - AMC 2 - (84.85)
- 2 - AMC 9 (S2434) - (83 W.L.)
- 2 - AMC-1(S2445) - (130.90)
- 2 - AMC-3 - (72 W.L.)
- 2 - E117 WA (S2873) - (116.8 W.L.)
- 2 - ESTRELA DO SUL 2 - (63 W.L.)
- 2 - EUTELSAT115WA(S2589) - (114.9 W.L.)
- 2 - EUTELSAT115WB(S2938) - (114.9 W.L.)
- 2 - EUTELSAT133WA(S3031) - (132.85)
- 2 - HORIZONS 1 (S2475) - (127 WL)
- 2 - INTELSAT 19 (S2850) - (166.0 E.L.)
- 2 - INTELSAT 29e (S2913) - (50.0 W.L.)
- 2 - SES-1 (S2807) - (101.0 W.L.)
- 2 - SES-10 (S2950) - (66.9 W.L.)
- 2 - SES-14 (S2974) - (47.5 W.L.)
- 2 - SES-15 (S2951) - (129.15 W.L.)
- 2 - SES-6 (S2870) - (40.5 W.L.)
- 2 - TELSTAR 11N (S2357) - (37.5 W.L.)
- 2 - Telstar 12 (S2462) - (109.2)
- 3 - AMC 2 - (84.85)

- 3 - AMC 9 (S2434) - (83 W.L.)
- 3 - AMC-1(S2445) - (130.90)
- 3 - AMC-3 - (72 W.L.)
- 3 - EUTELSAT115WB(S2938) - (114.9 W.L.)
- 3 - EUTELSAT133WA(S3031) - (132.85)
- 3 - INTELSAT 29e (S2913) - (50.0 W.L.)
- 3 - SES-1 (S2807) - (101.0 W.L.)
- 3 - SES-10 (S2950) - (66.9 W.L.)
- 3 - SES-14 (S2974) - (47.5 W.L.)
- 3 - SES-15 (S2951) - (129.15 W.L.)
- 3 - Telstar 12 (S2462) - (109.2)

**SES-MOD-20181031-03372** E E160018 TelAlaska Cellular, Inc.  
 Application for Modification 05/09/2016 - 05/09/2031  
 Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

TelAlaska Cellular, Inc. was granted a minor modification of its fixed earth station in Teller, AK to update its contact information.

SITE ID: Teller  
 LOCATION: Lot 5, Block 5, USS 3452 A & B Teller Townsite, Teller, AK  
 65 ° 15 ' 35.90 " N LAT. 166 ° 21 ' 30.70 " W LONG.

ANTENNA ID:	Teller	4.5 meters	Superior Satellite Engineers, Inc	8345
	5925.0000 - 6425.0000 MHz	4M50G7D	63.00 dBW	8PSK, Data
	3700.0000 - 4200.0000 MHz	4M00G7D	0.00 dBW	8PSK, Data
	3700.0000 - 4200.0000 MHz	4M50G7D	0.00 dBW	8PSK, Data
	3700.0000 - 4200.0000 MHz	29M5G7D	0.00 dBW	16APSK, Data

**Points of Communication:**

Teller - PERMITTED LIST - ()

**SES-REG-20180703-01955** E E181210 Charter Communications Operating, LLC  
 Registration 07/03/2018 - 07/03/2033  
 Grant of Authority Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 3740 All American Blvd (Orlando All-American), Orange, Orlando, FL  
28 ° 36 ' 33.00 " N LAT. 81 ° 25 ' 25.10 " W LONG.

ANTENNA ID:	1	5 meters	ATCi	Simulsat 5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	7 meters	SIMULSAT	7A M.
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-REG-20180703-01981** E E181226 Charter Communications Operating, LLC  
 Registration 07/03/2018 - 07/03/2033  
 Grant of Authority Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 20 N Orange Ave, Orange, Orlando, FL  
 28 ° 32 ' 33.50 " N LAT. 81 ° 22 ' 46.10 " W LONG.

ANTENNA ID:	1	5 meters	ATCi	Simulsat 5M
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	2	5 meters	Scientific-Atlanta	8008B
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	3	4.6 meters	Andrew	ESA46
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	4	4.6 meters	Scientific-Atlanta	8346
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	5	4.5 meters	Andrew	ESA45
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	9	3.7 meters	Prodelin	1374
			36M0G7W	Digital Video, Audio, Data
			3700.0000 - 4200.0000 MHz	
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU

3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 11-1	3.1 meters	PATRIOT	PRT-310AZ
3700.0000 - 4200.0000 MHz	36M0G7W		MODULATION AND SERVICES VIDEO, AUDIO, DATA
3700.0000 - 4200.0000 MHz	36M0G7W		MODULATION AND SERVICES VIDEO, AUDIO, DATA
ANTENNA ID: 12-2	3.1 meters	PATRIOT	PRT-310AZ
3700.0000 - 4200.0000 MHz	36M0G7W		MODULATION AND SERVICES VIDEO, AUDIO, DATA
ANTENNA ID: 13-3	3.1 meters	PATRIOT	PRT-310AZ
ANTENNA ID: 14-4	1.8 meters	SEG	PRODELIN 1183
3700.0000 - 4200.0000 MHz	36M0G7W		MODULATION AND SERVICES VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180703-01983</b>	E E181228	Charter Communications Operating, LLC	
Registration			07/03/2018 - 07/03/2033
Grant of Authority			Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 11011 E Peakview Ave, Arapahoe, Centennial, CO  
39 ° 35 ' 57.90 " N LAT. 104 ° 51 ' 37.60 " W LONG.

ANTENNA ID: 1	5 meters	ATCi	Simulsat 5M
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 2	5 meters	Scientific-Atlanta	8008B
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 3	4.6 meters	Andrew	ESA46
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data
ANTENNA ID: 4	4.6 meters	Scientific-Atlanta	8346
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Video, Audio, Data



ANTENNA ID:	5	4.5 meters	Andrew	ESA45
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	6	4.5 meters	DH Satellite	4.5M
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	7	4.5 meters	Scientific-Atlanta	8345
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	8	3.8 meters	Comtech	934D0015-G5
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	9	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	10	1.8 meters	Patriot	TX-INT180KU
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video, Audio, Data
ANTENNA ID:	11	5 meters	SIMULSAT 5	UNKNOWN
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180920-04481</b>	E	E190823	WEEK License, LLC	
Registration				09/20/2018 - 09/20/2033
Grant of Authority				Date Effective: 01/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: WEEK Television 2907 Springfield Rd., Tazewell, East Peoria, IL  
40 ° 37 ' 44.50 " N LAT. 89 ° 32 ' 55.00 " W LONG.

ANTENNA ID:	1	5 meters	DH Satellite	50DH
	3700.0000 - 4200.0000 MHz		36M0F3F	Analog TV Video
	3700.0000 - 4200.0000 MHz		36M0G7F	Digital TV Video
ANTENNA ID:	2	4.5 meters	DH Satellite	45DH

3700.0000 - 4200.0000 MHz	36M0F3F	Analog TV Video
3700.0000 - 4200.0000 MHz	36M0G7F	Digital TV Video
ANTENNA ID: 3	4.2 meters	DH Satellite
		42DH
3700.0000 - 4200.0000 MHz	36M0F3F	Analog TV Video
3700.0000 - 4200.0000 MHz	36M0G7F	Digital TV Video
ANTENNA ID: 4	3.8 meters	DH Satellite
		38DH
3700.0000 - 4200.0000 MHz	36M0F3F	Analog TV Video
3700.0000 - 4200.0000 MHz	36M0G7F	Digital TV Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20180920-04742</b>	E E191112	CenCom, Inc.	
Registration			09/20/2018 - 09/20/2033
Grant of Authority			Date Effective: 01/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 109 Pigeon St., Dakota, Jackson, NE  
42 ° 26 ' 51.60 " N LAT. 96 ° 34 ' 5.00 " W LONG.

ANTENNA ID: 3.8 M.	3.8 meters	Patriot	PRT -380AZ
3700.0000 - 4200.0000 MHz	36M0F8F	Video	
3700.0000 - 4200.0000 MHz	36M0F8F	Video	
3700.0000 - 4200.0000 MHz	36M0F8F	Video	

**Points of Communication:**

1 - PERMITTED LIST - ()

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<b>SES-REG-20181003-04833</b>	E E191204	Stowe Cable Systems, LLC	
Registration			10/03/2018 - 10/03/2033
Grant of Authority			Date Effective: 01/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 172 Thomas In (Stowe VT Headend), Lamoille, Stowe, VT  
44 ° 27 ' 32.23 " N LAT. 72 ° 41 ' 28.71 " W LONG.

ANTENNA ID: Dish1 3.7 meters Dawn Co d37f2c  
3700.0000 - 4200.0000 MHz 36M0G7W Digital MPEG4 Video or Audio  
ANTENNA ID: Dish2 2.4 meters Prodelin Series 1253  
3700.0000 - 4200.0000 MHz 36M0G7W Digital MPEG4 Video or Audio

**Points of Communication:**

1 - ANIK F1(S2745) - (107.3 W.L)  
1 - SES-11 (S2964) - (104.95 W.L)

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**SES-REG-20181006-05065** E E191443 Northeastern Pennsylvania Educational Television Association  
Registration 10/06/2018 - 10/06/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WVIA Studio  
LOCATION: 100 WVIA Way, Luzerne, Pittston, PA  
41 ° 17 ' 37.00 " N LAT. 75 ° 46 ' 29.40 " W LONG.

ANTENNA ID: WVIA3 3.8 meters Comtech 3.8M  
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Broadcast Services Digital 30K0G7W -  
36M0G7W Analog 30K0G7W -  
36M0G7W

**Points of Communication:**

WVIA Studio - PERMITTED LIST - ()

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**SES-REG-20181008-05087** E E191465 TCT of Michigan, Inc.  
Registration 10/08/2018 - 10/08/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Chesaning  
LOCATION: 7114 W Gary Rd, Saginaw, Chesaning, MI  
43 ° 13 ' 12.30 " N LAT. 84 ° 3 ' 11.50 " W LONG.

ANTENNA ID: 3m 3 meters Channel Master 3.0 meter

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3700.0000 - 4200.0000 MHz

36M0G7W

Digial Video Carrier

**Points of Communication:**

Chesaning - PERMITTED LIST - ()

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**SES-REG-20181009-04988** E E191364 Eastern Sky, LLC

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: WZXI Studio

LOCATION: 1145 Buckeye Rd, Garrard, Lancaster, KY

37 ° 37 ' 53.40 " N LAT.

84 ° 33 ' 58.90 " W LONG.

ANTENNA ID: 1 3 meters Dawnco 3.0 meter

3700.0000 - 4200.0000 MHz

30M0G7W

0.00 dBW

Digital audio and video services

**Points of Communication:**

WZXI Studio - PERMITTED LIST - ()

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**SES-REG-20181009-04990** E E191366 Bonneville International Corporation

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Bonneville Sacramento

LOCATION: 280 Commerce Circle, Sacramento, Sacramento, CA

38 ° 35 ' 56.60 " N LAT.

121 ° 27 ' 53.20 " W LONG.

ANTENNA ID: 1 3.7 meters Satcom 3.7 m

3700.0000 - 4200.0000 MHz

36M0G7W

0.00 dBW

Digital Data/Digital Audio

**Points of Communication:**

Bonneville Sacramento - PERMITTED LIST - ()

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**SES-REG-20181009-04996** E E191372 East Kentucky Broadcasting Corporation

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: Studio  
LOCATION: 1240 Radio Drive, Kentucky, Pikeville  
37 ° 28 ' 50.00 " N LAT. 82 ° 31 ' 35.00 " W LONG.

ANTENNA ID: Studio 3.048 meters Unknown Unknown  
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog audio and video with associated subcarriers

**Points of Communication:**

Studio - PERMITTED LIST - ()

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**SES-REG-20181009-04997** E E191373 AC Holdings, Inc.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: EWR - B - Newark LIA  
LOCATION: 3 Brewster Rd, Essex, Newark, NJ  
40 ° 41 ' 22.10 " N LAT. 74 ° 10 ' 39.40 " W LONG.

ANTENNA ID: 1 2.4 meters Prodelin 1241  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

**Points of Communication:**

EWR - B - Newark LIA - PERMITTED LIST - ()

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**SES-REG-20181009-04998** E E191374 AC Holdings, Inc.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: EWR - A - Newark LIA  
LOCATION: 3 Brewster Rd, Union, Newark, NJ  
40 ° 41 ' 12.20 " N LAT. 74 ° 10 ' 50.90 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot PRT-310  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

**Points of Communication:**

EWR - A - Newark LIA - PERMITTED LIST - ()

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**SES-REG-20181009-05001** E E191377 Northland Cable Television, Inc.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Othello - NCTV  
LOCATION: 1040 East Main Street, Adams, Othello, WA  
46 ° 49 ' 32.70 " N LAT. 119 ° 9 ' 35.20 " W LONG.

ANTENNA ID:	Antenna 1	4.5 meters	Scientific Atlanta	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID:	Antenna 2	3.8 meters	AFC	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Video Programming
ANTENNA ID:	Antenna 3	3.8 meters	Patriot	PRT 380	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Digital Video Programming

**Points of Communication:**

Othello - NCTV - PERMITTED LIST - ()

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**SES-REG-20181009-05002** E E191378 Tulalip Tribes Broadband  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: S1 Headend  
LOCATION: 800 140th st nw, Snohomish, Tulalip, WA  
48 ° 7 ' 21.60 " N LAT. 122 ° 14 ' 37.00 " W LONG.

ANTENNA ID:	ANT1	4.5 meters	AMERICAN ANTENNAS, INC	TVRO4.5	
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW	Modulation and Services Digital Video
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW	Modulation and Services Analog Video with associated subcarriers

**Points of Communication:**

S1 Headend - PERMITTED LIST - ()

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**SES-REG-20181009-05003** E E191379 AC Holdings, Inc.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: EWR - C - Newark LIA  
LOCATION: 3 Brewster Rd, Essex, Newark, NJ  
40 ° 41 ' 46.00 " N LAT. 74 ° 10 ' 42.70 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot PRT-310  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

**Points of Communication:**

EWR - C - Newark LIA - PERMITTED LIST - ()

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**SES-REG-20181009-05006** E E191382 AC Holdings, Inc.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: SJC - San Jose IA  
LOCATION: 1701 Airport Blvd, Santa Clara, San Jose, CA  
37 ° 22 ' 5.70 " N LAT. 121 ° 55 ' 41.50 " W LONG.

ANTENNA ID: 1 3.1 meters Patriot PRT-310  
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services - Digital

**Points of Communication:**

SJC - San Jose IA - PERMITTED LIST - ()

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**SES-REG-20181009-05009** E E191385 Alpha Media Licensee LLC  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Clinton  
LOCATION: 2201 N. Antioch Street, Henry, Clinton, MO  
38 ° 23 ' 42.70 " N LAT. 93 ° 46 ' 16.20 " W LONG.

ANTENNA ID: CBand1 4.3 meters American Satellite Systems Unknown

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3700.0000 - 4200.0000 MHz      36M0F7W      0.00 dBW      Digital audio, data, telemetry

**Points of Communication:**

Clinton - PERMITTED LIST - ()

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**SES-REG-20181009-05020**    E E191396    AC Holdings, Inc.  
Registration      10/09/2018 - 10/09/2033  
Grant of Authority      Date Effective:    01/22/2020

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**    Fixed Satellite Service

SITE ID:      ORD - O'Hare IA  
LOCATION:      10000 W O'Hare Ave, Cook, Chicago, IL  
                  41 ° 58 ' 46.10 " N LAT.      87 ° 54 ' 18.50 " W LONG.

ANTENNA ID:    1      3.1 meters      Patriot      PRT-310

3700.0000 - 4200.0000 MHz      36M0G7F      0.00 dBW      DVB-S2/AVC Video Services

**Points of Communication:**

ORD - O'Hare IA - PERMITTED LIST - ()

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**SES-REG-20181009-05060**    E E191438    Windstream Lexcom Communications, LLC  
Registration      10/09/2018 - 10/09/2033  
Grant of Authority      Date Effective:    01/22/2020

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**    Fixed Satellite Service

SITE ID:      Lexington, KY  
LOCATION:      679 Wilson-Downing rd, Fayette, Lexington, KY  
                  37 ° 58 ' 30.32 " N LAT.      84 ° 30 ' 1.23 " W LONG.

ANTENNA ID:    ALL      4.7 meters      SATCOM      4.7M Prime Focus

3700.0000 - 4200.0000 MHz      36M0G7W      Digital

**Points of Communication:**

Lexington, KY - AMC 10 (S2432) - (135 W.L.)

Lexington, KY - AMC-1(S2445) - (130.90)

Lexington, KY - AMC-11(S2433) - (131 W.L.)

Lexington, KY - AMC-18 (S2713) - (139 WL)

Lexington, KY - GALAXY 13 (S2386) - (127 W.L.)

Lexington, KY - GALAXY 13 (S2386) - (127 W.L.)



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Lexington, KY - GALAXY 14 (S2385) - (125 W.L.)

Lexington, KY - GALAXY 15 (S2387) - (133.1)

Lexington, KY - GALAXY 16 (S2687) - (99 W.L.)

Lexington, KY - GALAXY 17 (S2715) - (91 W.L.)

Lexington, KY - GALAXY 18 (S2733) - (123 W.L.)

Lexington, KY - GALAXY 23 (S2592) - (121 W.L.)

Lexington, KY - GALAXY 28 (S2160) - (89.0 W.L.)

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**SES-REG-20181009-05061** E E191439 Marfa Public Radio

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: MPR Studio

LOCATION: 106 E. San Antonio St., Presidio, Marfa, TX

30 ° 18 ' 34.00 " N LAT.

104 ° 1 ' 11.00 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video, audio, and data

**Points of Communication:**

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**SES-REG-20181009-05091** E E191469 Holy Spirit Radio

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Sat B

LOCATION: 158 Midway Rd W, Pondera, Conrad, MT

48 ° 7 ' 49.89 " N LAT.

111 ° 55 ' 14.06 " W LONG.

ANTENNA ID: KHSI-LP 3 meters DH 30DH4

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Audio from Audio-Video Digital

**Points of Communication:**

Sat B - PERMITTED LIST - ()

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**SES-REG-20181009-05093** E E191471 Minnesota Christian Broadcasters, Inc.  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 31287 Brunas Street, Crow Wing, Pequot Lake, MN  
46 ° 36 ' 25.90 " N LAT. 94 ° 19 ' 0.90 " W LONG.

ANTENNA ID: 3.8M 3.8 meters Patriot 3.8M  
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20181009-05097** E E191475 Windstream Lexcom Communications, LLC  
Registration 10/09/2018 - 10/09/2033  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Dahlonega, GA  
LOCATION: 200 Boyd Circle, Lumpkin, Dahlonega, GA  
34 ° 32 ' 8.15 " N LAT. 83 ° 58 ' 56.45 " W LONG.

ANTENNA ID: ALL 4.7 meters SATCOM 4.7M Prime Focus  
3700.0000 - 4200.0000 MHz 36M0G7W video, Digital

**Points of Communication:**

- Dahlonega, GA - AMC 10 (S2432) - (135 W.L.)
- Dahlonega, GA - AMC-1(S2445) - (130.90)
- Dahlonega, GA - AMC-11(S2433) - (131 W.L.)
- Dahlonega, GA - AMC-18 (S2713) - (139 WL)
- Dahlonega, GA - GALAXY 10R - (123 W.L.)
- Dahlonega, GA - GALAXY 13 (S2386) - (127 W.L.)
- Dahlonega, GA - GALAXY 14 (S2385) - (125 W.L.)
- Dahlonega, GA - GALAXY 15 (S2387) - (133.1)
- Dahlonega, GA - GALAXY 16 (S2687) - (99 W.L.)

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Dahlonega, GA - GALAXY 17 (S2715) - (91 W.L.)

Dahlonega, GA - GALAXY 18 (S2733) - (123 W.L.)

Dahlonega, GA - GALAXY 23 (S2592) - (121 W.L.)

Dahlonega, GA - GALAXY 28 (S2160) - (89.0 W.L.)

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**SES-REG-20181009-05100** E E191478 Windstream Lexcom Communications, LLC

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 01/22/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Montezuma, IA

LOCATION: 301 Locust st, Poweshiek, Deep River, IA

41 ° 34 ' 53.01 " N LAT.

92 ° 22 ' 22.25 " W LONG.

ANTENNA ID: ALL 4.7 meters SATCOM 4.7M Prime Focus

3700.0000 - 4200.0000 MHz 36M0G7W video, Digital

**Points of Communication:**

Montezuma, IA - AMC 10 (S2432) - (135 W.L.)

Montezuma, IA - AMC-1(S2445) - (130.90)

Montezuma, IA - AMC-11(S2433) - (131 W.L.)

Montezuma, IA - AMC-18 (S2713) - (139 WL)

Montezuma, IA - GALAXY 10R - (123 W.L.)

Montezuma, IA - GALAXY 13 (S2386) - (127 W.L.)

Montezuma, IA - GALAXY 14 (S2385) - (125 W.L.)

Montezuma, IA - GALAXY 15 (S2387) - (133.1)

Montezuma, IA - GALAXY 16 (S2687) - (99 W.L.)

Montezuma, IA - GALAXY 17 (S2715) - (91 W.L.)

Montezuma, IA - GALAXY 18 (S2733) - (123 W.L.)

Montezuma, IA - GALAXY 23 (S2592) - (121 W.L.)

Montezuma, IA - GALAXY 28 (S2160) - (89.0 W.L.)

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**SES-REG-20181011-04774** E E191144 SUNBEAM TELEVISION CORPORATION

Registration

08/21/2018 - 08/21/2033

Grant of Authority

Date Effective: 01/24/2020

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 501 NW 207TH STREET (WSVN TRANSMITTER), MIAMI-DADE, MIAMI GARDENS, FL  
25 ° 58 ' 1.00 " N LAT. 80 ° 12 ' 42.00 " W LONG.

ANTENNA ID:	4.5M.	4.5 meters	SCIENTIFIC ATLANTA	8345	
	3700.0000 - 4200.0000 MHz		1M64G7D	0.00 dBW	QPSK DATA
	3700.0000 - 4200.0000 MHz		11M5G7F	0.00 dBW	QPASK COMPRESSED VIDEO
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW	ANALOG VIDEO WITH AUDIO SUBCARRIERS
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	QPSK, QPASK COMPRESSED, ANALOG VIDEO WITH AUDIO SUBCARRIERS

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200113-00056** E E050039 The University of Montana  
Renewal 02/15/2020 - 02/15/2035  
Grant of Authority Date Effective: 01/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: UNIV. OF MT., BROADCAST MEDIA CENTER PARTV BLDG ROOM 180 (KUFM-FM), MISSOULA, MISSOULA, MT  
46 ° 51 ' 28.20 " N LAT. 113 ° 59 ' 4.30 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW	ESA45-46
	3700.0000 - 4200.0000 MHz		30K0F1D	DIGITAL AUDIO CARRIER
	3700.0000 - 4200.0000 MHz		10M3G7W	DIGITAL AUDIO CARRIER

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200115-00031** E E950195 KPHO Broadcasting Corporation  
Renewal 02/24/2020 - 02/24/2035  
Grant of Authority Date Effective: 01/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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SITE ID: 1  
LOCATION: 555 N. 7TH AVE., MARICOPA, PHOENIX, AZ  
33 ° 31 ' 6.20 " N LAT. 112 ° 4 ' 51.30 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-46A  
3700.0000 - 4200.0000 MHz 36M0G7F NULL  
ANTENNA ID: 2 7.3 meters ANDREW CORPORATION ESA73-NH1  
3700.0000 - 4200.0000 MHz 4M00G7F NULL

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200117-00044** E E050023 Accelerated Media Technologies, Inc.  
Renewal 03/08/2020 - 03/08/2035  
Grant of Authority Date Effective: 01/27/2020

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: VARIOUS

ANTENNA ID: 1 1.8 meters VERTEX 1.8SMK LT 4P  
14000.0000 - 14500.0000 MHz 24M0G7F 62.24 dBW PSK DIGITAL VIDEO W/DIGITAL AUDIO/DATA  
14000.0000 - 14500.0000 MHz 36M0F8F 71.62 dBW ANALOG VIDEO W/ASSOCIATED AUDIO SUBCARRIERS AND ATIS  
14000.0000 - 14500.0000 MHz 24M0F8F 68.62 dBW ANALOG VIDEO W/ASSOCIATED AUDIO SUBCARRIERS AND ATIS

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200117-00046** E E930367 Ligado Networks Subsidiary LLC  
Renewal 03/13/2020 - 03/13/2035  
Grant of Authority Date Effective: 01/27/2020

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

SITE ID: 1  
LOCATION: 100,000 Full-duplex METs & "EMS" half-duplex data METs, CONUS, AK, HI, PR, V

ANTENNA ID: A1 WESTINGHOUSE/WEC Mast CD-JL01080, P-1000

1626.5000 - 1660.5000 MHz	5K00G7W	12.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	12.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	12.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A10	0.35 meters		mitsubishi/melco Briefcase	ST151
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A11	0.25 meters		mitsubishi/melco Omniquest	ST251
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A12	CAL / Calquest		CQ100
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A13	mitsubishi/melco Transportable Dome		AU400A
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A14	0.46 meters	MITSUBISHI/MELCO Omniquest Fixed		OQFAU, ST251
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A15	0.85 meters	MITSUBISHI/MELCO Fixed		AU601B,ST221M
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz		5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A16	0.46 meters	EMS/GETS		0955-A-0100
	1626.5000 - 1660.5000 MHz		5K00G7W	17.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)



	1626.5000 - 1660.5000 MHz	5K00G7W	17.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	17.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A17	0.46 meters	WESTINGHOUSE/WEC M-1075 MARITIME	M-1075,D-100HF
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A18	0 meters	WESTINGHOUSE WEC D DOME	CD-JL01003,,D-1000H
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)

1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A19	0 meters	WEC D-1000MH MARITIME DOME		CDJL01003-G02
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A2		WESTINGHOUSE/WEC Contour Dome		CD-JL01003, D-1000
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A20		MITSUBISHI/MELCO DOME		AU201A, ST-211D

1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A21	0.6 meters		mitsubishi/melco Fixed	AU601A,ST-221
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A22	0.3 meters		KVH TRACPHONE	AU900A,ST131
1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

1626.5000 - 1660.5000 MHz	5K00G7W	11.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A23	MITSUBISHI/MELCO MAST		AU110A,ST111
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A3	0.92 meters	WESTINGHOUSE/WEC Fixed Site(0.92m)	CD-JL01083, F-1000
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A4	0.76 meters	WESTINGHOUSE/WEC Fixed Site(0.76m)	CD-JL01083, F-1000
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A5		WESTINGHOUSE/WEC Maritime Contour Dome	CD-JL01003-G02
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A6	1.2 meters	WESTINGHOUSE/WEC Mult.Fixed Site	F-1000MC

1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A7	0.46 meters	WESTINGHOUSE/KVH SC Maritime	M-1015, D-100HF
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A8		MITSUBISHI/MELCO Dome	AU200A, ST-111D
1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

	1626.5000 - 1660.5000 MHz	5K00G7W	15.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A9	0.6 meters	MITSUBISHI/MELCO Fixed Site		AU500A,ST-121
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1626.5000 - 1660.5000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1525.0000 - 1559.0000 MHz	5K00G7W		FDMA communications channel (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: D1		WESTINGHOUSE/WEC Contour Dome		CD-JL01003
	1626.5000 - 1660.5000 MHz	5K00G7D	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1626.5000 - 1660.5000 MHz	5K00G7D	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID: D2	0.415 meters	NARROWBAND/Narrowband Fixed Site		RST 2000

1626.5000 - 1660.5000 MHz	5K00G7D	13.80 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
1626.5000 - 1660.5000 MHz	5K00G7D	13.80 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID: D3	NARROWBAND/Narrowband Mobile		MDT 1000
1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID: D4	EATON/Eaton Mobile		SCM
1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
1626.5000 - 1660.5000 MHz	5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
1525.0000 - 1559.0000 MHz	5K00G7D		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID: D5	EMS/Packet Data/half duplex		PDT-100
1626.5000 - 1660.5000 MHz	5K00G7D	11.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1626.5000 - 1660.5000 MHz	5K00G7D	11.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)



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1525.0000 - 1559.0000 MHz

5K00G7D

TDMA signaling channel using  
differentially encoded QPSK at a  
transmission rate of 3375 bps  
(GC-S-data)

**Points of Communication:**

1 - MSAT-1 - (107.5)

1 - MSAT-2 (AMSC-1) - (106.5 W.L.)

1 - SKYTERRA 1 - (101.3 W.L.)

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**SES-RWL-20200120-00049** E E950143 WHNT License, LLC

Renewal

03/10/2020 - 03/10/2035

Grant of Authority

Date Effective: 01/27/2020

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 200 HOLMES AVE. CONUS, HUNTSVILLE, AL

ANTENNA ID: 1 1.25 meters GD SATCOM C125M

14000.0000 - 14500.0000 MHz 2M00G7W 56.40 dBW DIGITAL VIDEO AND AUDIO

14000.0000 - 14500.0000 MHz 36M0G7W 63.40 dBW DIGITAL VIDEO AND AUDIO

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200120-00051** E E8329 Nortex Communications Company

Renewal

02/08/2020 - 02/08/2035

Grant of Authority

Date Effective: 01/24/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: COOKE, VALLEY VIEW, TX

33 ° 29 ' 8.00 " N LAT.

97 ° 7 ' 11.00 " W LONG.

ANTENNA ID: 1 4.6 meters SCIENTIFIC ATLANTA 8346PF

3700.0000 - 4200.0000 MHz 36000F9

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200121-00050** E E050009 Intelsat License LLC  
Renewal 02/22/2020 - 02/22/2035  
Grant of Authority Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: Mountainside Teleport 17625 Technology Boulevard, Washington, Hagerstown, MD  
39 ° 35 ' 59.60 " N LAT. 77 ° 45 ' 27.50 " W LONG.

ANTENNA ID:	1	9 meters	VERTEX/KPC	KPC
5925.0000 - 6425.0000 MHz		72M0G7W	80.05 dBW	Digital Carrier, Various FEC, Modulation & Information
5925.0000 - 6425.0000 MHz		43K0G7W -	61.25 dBW	Digital Carrier, Various FEC, Modulation & Information
5925.0000 - 6425.0000 MHz		36M0F8W	78.20 dBW	Compressed Digital Video
3700.0000 - 4200.0000 MHz		72M0G7W -	0.00 dBW	Digital Carrier, Various FEC, Modulation & Information
3700.0000 - 4200.0000 MHz		43K0G7W	0.00 dBW	Digital Carrier, Various FEC, Modulation & Information
3700.0000 - 4200.0000 MHz		36M0F8W	0.00 dBW	Compressed Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20200124-00065** E E950188 Disney Channel  
Renewal 04/14/2020 - 04/14/2035  
Grant of Authority Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 3800 WEST ALAMEDA AVENUE, LOS ANGELES, BURBANK, CA  
34 ° 9 ' 13.00 " N LAT. 118 ° 20 ' 26.00 " W LONG.

ANTENNA ID:	1	7 meters	RSI	700KS
14000.0000 - 14500.0000 MHz		25M0F8W	78.60 dBW	
11700.0000 - 12200.0000 MHz		25M0F8W		

**Points of Communication:**



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**SES-RWL-20200124-00067** E E950069 Disney Channel  
Renewal 02/24/2020 - 02/24/2035  
Grant of Authority Date Effective: 01/27/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3800 WEST ALAMEDA AVENUE, LOS ANGELES, BURBANK, CA  
34 ° 9 ' 13.00 " N LAT. 118 ° 20 ' 28.30 " W LONG.

ANTENNA ID:	C1	9.2 meters	RSI	920 CS
5925.0000 - 6425.0000 MHz		25M0F8W	81.00 dBW	
5925.0000 - 6425.0000 MHz		36M0G7W	78.00 dBW	DIGITAL VIDEO AND AUDIO
5925.0000 - 6425.0000 MHz		2M00G7W	77.90 dBW	DIGITAL VIDEO AND AUDIO
3700.0000 - 4200.0000 MHz		25M0F8W		
3700.0000 - 4200.0000 MHz		36M0G7W		DIGITAL VIDEO AND AUDIO
3700.0000 - 4200.0000 MHz		2M00G7W		DIGITAL VIDEO AND AUDIO

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-STA-20190904-01199** E E4132 Intelsat License LLC  
Special Temporary Authority  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:**

On January 22, 2020, Intelsat License LLC was granted special temporary authority for 180 days to operate its fixed-satellite earth station located at geographic coordinates 34° 24' 22"N, 118° 53' 34"W in Fillmore, CA to provide launch and early orbit phase (LEOP) services and telemetry, tracking and command (TT&C) services for the MEV-1 (S2900) satellite, drifts as combined vehicle stack with the Intelsat 901 (S2405) satellite to the 27.5° W.L. orbital location on center frequencies: 5927.5 MHz, 6170.0 MHz, and 6180 MHz (Earth-to-space).

**Points of Communication:**

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**SES-STA-20191126-01588** E E4132 Intelsat License LLC  
Special Temporary Authority  
Grant of Authority Date Effective: 01/22/2020

**Class of Station:**

On January 22, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning February 12, 2020, to operate its fixed earth station in Fillmore, CA, to provide launch and early orbit phase (LEOP) services for the GISAT-1 satellite at the 93.5° E.L. orbital location in the 6423.308 MHz and 6425.980 MHz (Earth-to-space), and 4199.145 MHz and 4199.582 MHz (space-to-Earth) frequency bands.

**Points of Communication:**

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**SES-STA-20200114-00052** E E070027 DIRECTV Enterprises, LLC  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/22/2020

**Class of Station:**

On January 22, 2020, DIRECTV Enterprises, LLC was granted special temporary authority for 30 days, beginning January 22, 2020, to operate its fixed earth station in Castle Rock, CO to deorbit its SPACEWAY 1 satellite (S2191) within the azimuth and elevation limits: east limit 45.0° W.L. (with elevation of 14.5° and azimuth of 110.2°) and west limit of 165.0 ° W.L. (with elevation of 14.2° and azimuth of 250.1°) in all currently authorized frequency ranges.

**Points of Communication:**

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**SES-STA-20200114-00053** E E070123 DIRECTV Enterprises, LLC  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/22/2020

**Class of Station:**

On January 22, 2020, DIRECTV Enterprises, LLC was granted special temporary authority for 30 days, beginning January 22, 2020, to operate its fixed earth station in Long Beach, CA to deorbit its SPACEWAY 1 (S2191) satellite within the azimuth and elevation limits: east limit of 55.0° W.L. (with elevation of 13.5° and azimuth of 105.7°) and west limit of 160.0 ° W.L. (with elevation of 30.8° and azimuth of 238.1°) in all currently authorized frequency ranges.

**Points of Communication:**

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**SES-STA-20200114-00054** E E080056 DIRECTV Enterprises, LLC  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/22/2020

**Class of Station:**

On January 21, 2020, DIRECTV Enterprises, LLC was granted special temporary authority for 30 days, beginning January 21, 2020, to operate its fixed earth station in Moxee, WA with the SPACEWAY 1 (S2191) satellite within the azimuth and elevation limits: east limit of 70.0° W.L. (with elevation of 17.7° and azimuth of 121.0°), and west limit of 172.0 ° W.L. (with elevation of 17.0° and azimuth of 240.1°) in all currently authorized frequency ranges.

**Points of Communication:**

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**SES-STA-20200124-00064** E E170039 Intelsat License LLC  
Special Temporary Authority  
Grant of Authority

Date Effective: 01/24/2020

**Class of Station:**

On January 24, 2020, Intelsat License LLC was granted of special temporary authority for 30 days, beginning January 27, 2020, to operate its fixed earth station in Riverside, CA to perform de-orbit maneuvers for the Spaceway-1 (S2191) satellite on center frequencies: 19701.25 and 19702.25 MHz (space-to-earth), and 29.501.3021 and 29509.1146 MHz (Earth-to-space).

**Points of Communication:**

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**Dismissal**

**SES-STA-20190730-01019** E080100 Global Eagle Telecom Licensing Subsidiary LLC

Application dismissed. See IBFS File No. SES-MFS-20190312-00328 has been granted.

**SES-STA-20190926-01245** E080100 Global Eagle Telecom Licensing Subsidiary LLC

Application dismissed. See IBFS File No. SES-MFS-20190312-00328 has been granted.

**Dismissal**

**SES-STA-20190927-01247**            E080100            Global Eagle Telecom Licensing Subsidiary LLC

Application dismissed. See IBFS File No. SES-MFS-20190312-00328 has been granted.

**SES-STA-20191205-01641**            E080100            Global Eagle Telecom Licensing Subsidiary LLC

Application dismissed. See IBFS File No. SES-MFS-20190312-00328 has been granted.

**SES-STA-20191205-01642**            E080100            Global Eagle Telecom Licensing Subsidiary LLC

Application dismissed. See IBFS File No. SES-MFS-20190312-00328 has been granted.

**SURRENDER**

**SES-MOD-20110815-00960**            E000623            AMV Digital Media formerly AEG Digital Media

License surrendered by letter filed on January 23, 2020.

**SES-RWL-20101007-01268**            E000590            AMV Digital Media formerly AEG Digital Media

License surrendered by letter filed on January 23, 2020.

**SES-RWL-20101007-01269**            E000622            AMV Digital Media formerly AEG Digital Media

License surrendered by letter filed on January 23, 2020.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.