



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-02277

Wednesday June 17, 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.

SES-LIC-20200402-00364 E E201368 SpaceX Services, Inc.
Application for Authority
Withdrawn Date Effective: 06/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: De Leon Springs Gate

LOCATION: Volusia, FL

29 ° 7 ' 58.80 " N LAT.

81 ° 17 ' 9.60 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
	17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
	18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data
	27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data
	29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data

Points of Communication:

De Leon Springs Gate - SPACEX (S2983/3018) - (NGSO)

SES-LIC-20200402-00368 E E201372 SpaceX Services, Inc.
Application for Authority
Withdrawn Date Effective: 06/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Savannah TN Gateway
LOCATION: 5W5Q+XJ, Hardin, Big Ivy, TN
35 ° 9 ' 35.60 " N LAT.

88 ° 3 ' 39.60 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data	
18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	BPSK up to 64 QAM; Digital Data	
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data	
29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	BPSK up to 64 QAM; Digital Data	

Points of Communication:

Savannah TN Gateway - SPACEX (S2983/3018) - (NGSO)

SES-LIC-20200422-00444 E E201991 SpaceX Services, Inc.

Application for Authority

Withdrawn

Date Effective: 06/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Cape Canaveral Gate
LOCATION: Brevard, FL
28 ° 28 ' 5.90 " N LAT.

80 ° 34 ' 45.70 " W LONG.

ANTENNA ID:	CO-1	1.47 meters	SpaceX	1.47M
17800.0000 - 18600.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data	
18800.0000 - 19300.0000 MHz	480MD7W	0.00 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data	
27500.0000 - 29100.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data	
29500.0000 - 30000.0000 MHz	480MD7W	60.50 dBW	Modulation and Services BPSK up to 64 QAM; Digital Data	

Points of Communication:

Cape Canaveral Gate - PERMITTED LIST - ()

SES-LIC-20200504-00487 E E201996 TelAlaska Cellular, Inc.
Application for Authority 06/15/2020 - 06/15/2035
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: False Pass School
LOCATION: 410 Mt Valley Rd, Aleutians East, False Pass, AK
54 ° 51 ' 10.20 " N LAT. 163 ° 25 ' 5.40 " W LONG.

ANTENNA ID:	1	3.8 meters	GD Satcom	1385
3700.0000 - 4200.0000 MHz		36M0D7W	0.00 dBW	Amplitude and Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz		100KG7W	0.00 dBW	Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz		100KD7W	0.00 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz		36M0D7W	72.20 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz		100KG7W	57.50 dBW	Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz		100KD7W	57.50 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz		36M0G7W	72.20 dBW	Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Phase modulated voice, video and data service

Points of Communication:

False Pass School - PERMITTED LIST - ()

SES-LIC-20200504-00488 E E201997 TelAlaska Cellular, Inc.
Application for Authority 06/15/2020 - 06/15/2035
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Akutan School
LOCATION: 202 Hilly Drive, Aleutians East, Akutan, AK
54 ° 8 ' 6.70 " N LAT. 165 ° 46 ' 18.80 " W LONG.

ANTENNA ID:	1	3.8 meters	GD Satcom	1385
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3700.0000 - 4200.0000 MHz	100KG7W	0.00 dBW	Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	100KD7W	0.00 dBW	Amplitude and Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	36M0D7W	0.00 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	100KG7W	57.50 dBW	Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	100KD7W	57.50 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	36M0D7W	72.20 dBW	Amplitude and Phase modulated voice, video and data service
5925.0000 - 6425.0000 MHz	36M0G7W	72.20 dBW	Phase modulated voice, video and data service
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Phase modulated voice, video and data service

Points of Communication:

Akutan School - PERMITTED LIST - ()

SES-MFS-20190819-01046 E E080084 Corporate Satellite Communications, Florida Inc.
 Modification 05/27/2008 - 05/27/2023
 Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: US Rt 9 W, Bergen, Alpine, NJ
 40 ° 57 ' 40.40 " N LAT. 73 ° 55 ' 22.50 " W LONG.

ANTENNA ID: 6.1M	6.1 meters	Vertex RSI	KPC
5925.0000 - 6425.0000 MHz	51K2G7W	45.27 dBW	digital traffic, various FEC, various data rates, various information
5925.0000 - 6425.0000 MHz	36M0G7W	73.74 dBW	digital traffic, various FEC, various data rates, various information
3700.0000 - 4200.0000 MHz	51K2G7W		digital traffic, various FEC, various data rates, various information
3700.0000 - 4200.0000 MHz	36M0G7W		digital traffic, various FEC, various data rates, various information

ANTENNA ID: 7.3M 7.3 meters ANDREW 7.3METER

5925.0000 - 6425.0000 MHz	51K2G7W	45.30 dBW	digital traffic, various FEC, various data rates, various information
5925.0000 - 6425.0000 MHz	36M0G7W	78.30 dBW	digital traffic, various FEC, various data rates, various information
5925.0000 - 6425.0000 MHz	51K2G7W	52.50 dBW	digital traffic, various FEC, various data rates, various information

Points of Communication:

- 1 - ANIK F1R - (107.3 W.L.)
- 1 - ARSAT-2 - (81.0 W.L.)
- 1 - PERMITTED LIST - ()

SES-MOD-20181016-04303 E E890125 Spectrum Mid-America, LLC
 Application for Modification 04/28/2009 - 04/28/2024
 Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 802-810 AVE A, BUFFALO, KEARNEY, NE
 40 ° 40 ' 57.00 " N LAT. 99 ° 4 ' 52.00 " W LONG.

ANTENNA ID: 1	5 meters	SIMULSAT/ATC	SIMULSAT5
3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA
ANTENNA ID: 2	3.7 meters	COMTEC	UNKNOWN
3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA
ANTENNA ID: 3	3 meters	COMTEC	UNKNOWN
3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO, AUDIO, DATA

Points of Communication:

- 1 - PERMITTED LIST - ()

SES-MOD-20181016-06222 E E180119 Spectrum Mid-America, LLC
 Application for Modification 04/30/2018 - 04/30/2033
 Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1113 CLIFTY DR., Jefferson, Madison, IN
38 ° 46 ' 20.40 " N LAT. 85 ° 24 ' 36.90 " W LONG.

ANTENNA ID: 1 4.5 meters SA UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA
ANTENNA ID: 2 3.5 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA
ANTENNA ID: 3 3 meters DRAKE UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06250 E E181500 Spectrum Mid-America, LLC
Application for Modification 06/07/2018 - 06/07/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 37 Enterprise Pl, Ross, Chillicothe, OH
39 ° 21 ' 9.70 " N LAT. 82 ° 58 ' 20.10 " W LONG.

ANTENNA ID: 1 5 meters PATRIOT INKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video, Audio, Data
ANTENNA ID: 2 4.5 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06257 E E180741 Spectrum Mid-America, LLC
Application for Modification 06/07/2018 - 06/07/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 25578 Locust Grove Rd, Pickaway, New Holland, OH
39 ° 34 ' 2.30 " N LAT. 83 ° 11 ' 7.30 " W LONG.

ANTENNA ID: 1 4.5 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data
ANTENNA ID: 2 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06281 E WG28 Spectrum Southeast, LLC
Application for Modification 02/10/2011 - 02/10/2026
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 6440 2ND AVE S, JEFFERSON, BIRMINGHAM, AL
33 ° 32 ' 44.30 " N LAT. 86 ° 44 ' 25.30 " W LONG.

ANTENNA ID: 1 4.5 meters SA 4.5
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data
ANTENNA ID: 2 5 meters SIMULSAT 5M
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data
ANTENNA ID: 3 3.6 meters SA 3.6M
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06327 E WB50 Spectrum Mid-America, LLC
Application for Modification 10/05/2010 - 10/05/2025
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: INDUSTRIAL DRIVE, DAVIESS, OWENSBORO, KY
37 ° 46 ' 27.90 " N LAT. 87 ° 9 ' 32.60 " W LONG.

ANTENNA ID: 1 3 meters DRAKE/MESH UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06530 E KR30 Spectrum Pacific West, LLC
Application for Modification 05/13/2018 - 05/13/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: R6246 SAN FERNANDO RD., LOS ANGELES, GLENDALE, CA
34 ° 9 ' 52.60 " N LAT. 118 ° 17 ' 9.10 " W LONG.

ANTENNA ID: 1 3 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO AUDIO,DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06534 E WG80 Spectrum Southeast, LLC
Application for Modification 06/06/2011 - 06/06/2026
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: BALD KNOB (ROAD), ELMORE, WETUMPKA, AL
32 ° 32 ' 6.80 " N LAT. 86 ° 11 ' 32.90 " W LONG.

ANTENNA ID: 1 4.5 meters SA 4.5M
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data

ANTENNA ID: 2 7 meters SA 7M
3700.0000 - 4200.0000 MHz 36M0G7W Video, Audio, Data

ANTENNA ID: 3 3.8 meters SA 3.8M

3700.0000 - 4200.0000 MHz

36M0G7W

Video, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06535 E E8663 Spectrum Mid-America, LLC

Application for Modification

04/12/2005 - 04/12/2020

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 359 US 41 EAST, MARQUETTE, NEGAUNEE, MI

46 ° 32 ' 12.90 " N LAT.

87 ° 30 ' 46.10 " W LONG.

ANTENNA ID: 1

5 meters

ATCI

SIMULSAT5

3700.0000 - 4200.0000 MHz

36M0G7W

VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06536 E E910119 Spectrum Pacific West, LLC

Application for Modification

01/25/2011 - 01/25/2026

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 930 S.GRAPE ST, JACKSON, MEDFORD, OR

42 ° 18 ' 51.40 " N LAT.

122 ° 51 ' 59.80 " W LONG.

ANTENNA ID: 1

4.5 meters

ATCI

SIMULSAT

3700.0000 - 4200.0000 MHz

36M0G7W

VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06537 E E930082 Spectrum Pacific West, LLC

Application for Modification

11/20/2017 - 11/20/2032

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 814 S. MCGOWAN, HARNEY, BURNS, OR
43 ° 34 ' 36.70 " N LAT. 119 ° 4 ' 11.76 " W LONG.

ANTENNA ID: 1 7 meters ATCI SIMULSAT 5M
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06539 E E020100 Spectrum Southeast, LLC
Application for Modification 04/04/2017 - 04/04/2032
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 270 HWY 78, ST. CLAIR, LEEDS, AL
33 ° 32 ' 53.50 " N LAT. 86 ° 30 ' 41.40 " W LONG.

ANTENNA ID: 1 5 meters SIMULSAT 5M
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA

ANTENNA ID: 2 4.5 meters SA 4.5M
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA

ANTENNA ID: 3 3.8 meters SA 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181017-06594 E KB57 Spectrum Pacific West, LLC
Application for Modification 02/13/2012 - 02/13/2027
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2910 10TH AVE S., CASCADE, GREAT FALLS, MT
47 ° 28 ' 54.50 " N LAT. 111 ° 16 ' 15.50 " W LONG.

ANTENNA ID: 1 4.5 meters SUPERIORSATELLITE A8345

3700.0000 - 4200.0000 MHz

36M0G7W

VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181017-06595 E KR75 Spectrum Pacific West, LLC

Application for Modification

07/16/2017 - 07/16/2032

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 728 W PARK ST, BEAVERHEAD, DILLON, MT

45 ° 13 ' 4.50 " N LAT.

112 ° 38 ' 59.90 " W LONG.

ANTENNA ID: 1

3.7 meters

EAGLE

A8345

3700.0000 - 4200.0000 MHz

36M0G7W

VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190207-00225 E E070227 Globecomm License Sub LLC

Application for Modification

10/29/2007 - 10/29/2022

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 45 OSER AVENUE, SUFFOLK, HAUPPAUGE, NY

40 ° 48 ' 54.20 " N LAT.

73 ° 14 ' 12.20 " W LONG.

ANTENNA ID: AOT-26

4.5 meters

ASC SIGNAL CORP.

ES45MPJ

14000.0000 - 14500.0000 MHz

461KG7W

60.20 dBW

DIGITAL VIDEO, AUDIO, AND DATA

14000.0000 - 14500.0000 MHz

44K0G7W

50.00 dBW

DIGITAL VIDEO, AUDIO, AND DATA

14000.0000 - 14500.0000 MHz

3M40G7W

68.90 dBW

DIGITAL VIDEO, AUDIO, AND DATA

14000.0000 - 14500.0000 MHz

30M5G7W

78.40 dBW

DIGITAL VIDEO, AUDIO, AND DATA

14000.0000 - 14500.0000 MHz

3M40G7D

68.90 dBW

DIGITAL DATA CARRIERS

14000.0000 - 14500.0000 MHz

44K0G7W

50.00 dBW

DIGITAL DATA CARRIERS

14000.0000 - 14500.0000 MHz

36M0G7W

79.10 dBW

DIGITAL VIDEO, AUDIO, AND DATA

14000.0000 - 14500.0000 MHz	500KG7W	60.50 dBW	DIGITAL DATA CARRIERS
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
ANTENNA ID: AOT-25	4.8 meters	VERTEX/RSI	4.8M
14000.0000 - 14500.0000 MHz	461KG7W	61.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	30M5G7W	79.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	80.40 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	500KG7W	61.80 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	3M40G7D	70.20 dBW	DIGITAL DATA CARRIERS
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA

11450.0000 - 12200.0000 MHz	44K0G7W	0.00 dBW	DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
ANTENNA ID: AOT-22	4.8 meters	VERTEX/RSI	4.8M
14000.0000 - 14500.0000 MHz	27M5G7W	79.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	30M5G7W	79.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	461KG7W	61.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7D	70.20 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	500KG7W	61.80 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	36M0G7W	80.40 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 14000.0000 MHz	30M5G7W	76.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS

11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID: AOT-1	3.8 meters	VERTEX	3.8DPK
14000.0000 - 14500.0000 MHz	3M40G7D	68.50 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	44K0G7W	49.70 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	500KG7W	60.20 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	36M0G7W	69.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID: AOT-3	2.4 meters	PRODELIN	1251-502
14000.0000 - 14500.0000 MHz	3M40G7D	64.50 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	44K0G7W	45.60 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	500KG7W	56.10 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	36M0G7W	65.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS

11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID: AOT-5	3.7 meters	ANDREW	ES37MPK
14000.0000 - 14500.0000 MHz	3M40G7D	68.60 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	44K0G7W	49.70 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	500KG7W	60.20 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	36M0G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID: AOT-27	1.03 meters	SAILOR	900
14000.0000 - 14500.0000 MHz	3M40G7D	52.90 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	44K0G7W	34.00 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	500KG7W	44.50 dBW	DIGITAL DATA CARRIERS
14000.0000 - 14500.0000 MHz	36M0G7W	57.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7D		DIGITAL DATA CARRIERS
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL DATA CARRIERS
11700.0000 - 12200.0000 MHz	500KG7W		DIGITAL DATA CARRIERS

11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID: AOT-24	4.8 meters	VERTEX RSI	
14000.0000 - 14500.0000 MHz	3M40G7D	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	500KG7W	61.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	80.40 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	27M5G7W	79.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	30M5G7W	79.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	461KG7W	61.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA

Points of Communication:

1 - HISPASAT 1C - (30.0 W.L.)

1 - PERMITTED LIST - ()

SES-MOD-20190225-00226 E E960222 Denali 20020, LLC
 Application for Modification 07/19/2006 - 07/19/2021
 Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 1711 OLD HWY. 97, OKANOGAN, BREWSTER, WA
 48 ° 8 ' 50.50 " N LAT. 119 ° 41 ' 33.20 " W LONG.

ANTENNA ID: 1	9 meters	VERTEX	9KPC
14000.0000 - 14500.0000 MHz	72M0G7D	88.70 dBW	DIGITAL DATA AND VIDEO
11700.0000 - 12200.0000 MHz	72M0G7D		DIGITAL DATA AND VIDEO

5850.0000 - 6425.0000 MHz	2M40G7D	83.50 dBW
5850.0000 - 6425.0000 MHz	36M0G7F	83.50 dBW
5850.0000 - 6425.0000 MHz	36M0F3F	83.50 dBW
3625.0000 - 4200.0000 MHz	2M40G7D	
3625.0000 - 4200.0000 MHz	36M0G7F	
3625.0000 - 4200.0000 MHz	36M0F3F	

ANTENNA ID: 2 3.7 meters GLOBAL STAR GS-370

14000.0000 - 14500.0000 MHz	36M0G7W	78.20 dBW	DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190318-00384 E E880083 Sarkes Tarzian, Inc. 12/24/2007 - 12/24/2022
Application for Modification Date Effective: 06/15/2020
Grant of Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 900 WHITEHALL ROAD VARIOUS, CHATTANOOGA, CHATTANOOGA, NC

ANTENNA ID: 1 5 meters AVL TECHNOLOGIES 1210K
14000.0000 - 14500.0000 MHz 36M0G7W 64.07 dBW DIGITAL VIDEO, AUDIO, DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190514-01023 E E030200 Oregon Public Broadcasting 09/15/2018 - 09/15/2033
Application for Modification Date Effective: 06/11/2020
Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Oregon Public Broadcasting request Modification to Correct County of the authorization to show that the station is located in Multnomah County (not Washington County) only.

SITE ID: 1
LOCATION: 7140 S.W. MACADAM AVENUE (KOPB-FM), MULTNOMAH, PORTLAND, OR
45 ° 28 ' 23.40 " N LAT. 122 ° 40 ' 15.60 " W LONG.

ANTENNA ID: 3.8 M. 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 METER PF
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL BROADCAST RADIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190522-00613 E E070276 KPTV-KPDX Broadcasting Corporation
Application for Modification 01/15/2008 - 01/15/2023
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 14975 N.W. Greenbrier Parkway, Washington, Beaverton, OR
45 ° 31 ' 36.40 " N LAT. 122 ° 49 ' 45.40 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corp. ESA45
3700.0000 - 4200.0000 MHz 45M0G7W 45Mbit MCPC digital carrier for video/voice/data

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190523-00625 E E040425 Sinclair Television Media, Inc.
Application for Modification 11/04/2019 - 11/04/2034
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 255 NW SKYLINE BLVD., MULTNOMAH, PORTLAND, OR
45 ° 31 ' 12.20 " N LAT. 122 ° 44 ' 42.30 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORPORATION ESA45-46A
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190523-00652 E E990075 SINCLAIR BAKERSFIELD LICENSEE, LLC
Application for Modification 02/08/2008 - 02/08/2023
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1901 WESTWIND DRIVE, KERN, BAKERSFIELD, CA
35 ° 22 ' 35.80 " N LAT. 119 ° 2 ' 38.20 " W LONG.

ANTENNA ID: 1 7.3 meters ANDREW CORPORATION ESA73-46
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20190725-00954 E E180696 BlackSky Global, LLC
Application for Modification 06/16/2020 - 07/30/2034
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Earth Exploration Satellite Service

SITE ID: FAI
LOCATION: 1625 Richardson Hwy, North Star, North Pole, AK
64 ° 47 ' 37.00 " N LAT. 147 ° 32 ' 10.00 " W LONG.

ANTENNA ID: UAF 9.1 9.1 meters Viasat 9.1m
8025.0000 - 8400.0000 MHz 200MF1D OQPSK remote sensing data downlink

2025.0000 - 2110.0000 MHz 200KF1D 53.00 dBW GMSK Primary TT&C uplink

ANTENNA ID: FAI_UT 3 meters M2 Antenna Systems 450CP34
449.7500 - 451.2500 MHz 30K0F1D 29.00 dBW Modulations and Services GMSK

ANTENNA ID: FAI_UR 3.6 meters M2 Antenna Systems 450CP30A
401.5000 - 401.5000 MHz 30K0F1D

401.3750 - 401.3750 MHz 30K0F1D GMSK TT&C Downlink

ANTENNA ID: UAF 7.3 7.3 meters Viasat 7.3m
8025.0000 - 8400.0000 MHz 200MF1D OQPSK remote sensing data downlink

2071.8750 - 2071.8750 MHz 200KF1D 51.40 dBW GMSK Primary TT&C uplink

Points of Communication:

FAI - Global 1-16 (S3032) - (NGSO)

FAI - Global 1-16 (S3032) - (NGSO)

SES-MOD-20190925-01206 E E182049 Altice USA, Inc.
Application for Modification 07/12/2018 - 07/12/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: BOONEVILLE
LOCATION: 6000 N State Hwy 23, Logan, Booneville, AR
 35 ° 9 ' 59.37 " N LAT. 93 ° 55 ' 27.74 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot 3.8 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: BOONVILLE
LOCATION: 1253 Starlight Drive, Cooper, Boonville, MO
 38 ° 57 ' 8.10 " N LAT. 92 ° 45 ' 23.50 " W LONG.

ANTENNA ID: 2 4.5 meters Andrew 4.5 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: ATHENS
LOCATION: 108 Dull Averiette St, Henderson, Athens, TX
 32 ° 12 ' 12.60 " N LAT. 95 ° 50 ' 55.00 " W LONG.

ANTENNA ID: 3 7 meters Patriot 7 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: BRANSON
LOCATION: 310 Walnut Ext, Taney, Branson, MO
 36 ° 38 ' 49.10 " N LAT. 93 ° 13 ' 2.90 " W LONG.

ANTENNA ID: 4 5 meters ANTENNA TECH SIMULSAT 5M

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: BRECKENRIDGE
LOCATION: 2114 W Walker, Stephens, Breckenridge, TX
 32 ° 45 ' 22.60 " N LAT. 98 ° 55 ' 50.30 " W LONG.

ANTENNA ID: 5 4.5 meters SCIENTIFIC-ATLANTA, INC 4.5 Meter

3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
SITE ID: BRENHAM		
LOCATION: 2555 Old Masonic Road, Washington, Brenham, TX		
30 ° 11 ' 42.00 " N LAT.		96 ° 24 ' 8.60 " W LONG.
ANTENNA ID: 6	7.3 meters	SCIENTIFIC-ATLANTA, INC 7.3 Meter
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
SITE ID: BROOKFIELD		
LOCATION: 222 Pershing Street, Linn, Brookfield, MO		
39 ° 47 ' 12.50 " N LAT.		93 ° 5 ' 54.70 " W LONG.
ANTENNA ID: 7	4.6 meters	Scientific Atlanta 4.6 METER
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
SITE ID: CHARLESTON		
LOCATION: 3 Eagle Dr, Kanawha, Charleston, WV		
38 ° 17 ' 43.50 " N LAT.		81 ° 44 ' 47.20 " W LONG.
ANTENNA ID: 8	5 meters	ANTENNA TECH SIMULSAT 5M
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video Carrier
SITE ID: BRADY		
LOCATION: 507 1/2 W China Street, McCulloch, Brady, TX		
31 ° 8 ' 5.40 " N LAT.		99 ° 20 ' 18.20 " W LONG.
ANTENNA ID: 9	4.5 meters	SCIENTIFIC-ATLANTA, INC 4.5 Meter
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
SITE ID: DEWITT		
LOCATION: B & K Lane, Arkansas, DeWitt, AR		
34 ° 18 ' 11.50 " N LAT.		91 ° 19 ' 52.90 " W LONG.
ANTENNA ID: 10	5 meters	AFC 5 Meter
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER
SITE ID: EASTLAND		
LOCATION: 9851 E Highway I-20, Eastland, Eastland, TX		
32 ° 24 ' 11.99 " N LAT.		98 ° 46 ' 39.00 " W LONG.
ANTENNA ID: 11	4.5 meters	Scientific-Atlantic 4.5 Meter
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO CARRIER

SITE ID: FAIRVIEW
 LOCATION: 1700 Sand Creek, Major, Fairview, OK
 36 ° 15 ' 38.70 " N LAT. 98 ° 28 ' 15.50 " W LONG.

ANTENNA ID: 12 4.5 meters Prodelin 4.5 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: FORESTHILL
 LOCATION: 5180 Henry Way, Placer, Foresthill, CA
 39 ° 0 ' 12.60 " N LAT. 120 ° 51 ' 18.36 " W LONG.

ANTENNA ID: 13 3.5 meters Patriot 3.5 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: CHARLESTON
 LOCATION: S School Street, Franklin, Charleston, AR
 35 ° 17 ' 30.30 " N LAT. 94 ° 2 ' 38.10 " W LONG.

ANTENNA ID: 14 5 meters Scientific-Atlantic 5.0 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: GATESVILLE
 LOCATION: 2536 E Main St, Coryell, Gatesville, TX
 31 ° 26 ' 4.00 " N LAT. 97 ° 43 ' 26.70 " W LONG.

ANTENNA ID: 15 3.8 meters Challenger 3.8 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: GEORGETOWN
 LOCATION: 111 N College, Williamson, Georgetown, TX
 30 ° 38 ' 35.80 " N LAT. 97 ° 40 ' 17.70 " W LONG.

ANTENNA ID: 16 3.8 meters Challenger 3.8 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: GRAPELAND
 LOCATION: 112 1/2 Raines Road, Houston, Grapeland, TX
 31 ° 30 ' 5.60 " N LAT. 95 ° 29 ' 17.10 " W LONG.

ANTENNA ID: 17 3.9 meters Patriot 3.9 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: GRAYSON
 LOCATION: 332 W Sunset Hill, Carter, Grayson, KY
 38 ° 19 ' 31.66 " N LAT. 82 ° 58 ' 59.04 " W LONG.

SITE ID: INGRAM
 LOCATION: 117 Hwy 39, Kerr, Ingram, TX
 30 ° 5 ' 21.02 " N LAT. 99 ° 14 ' 11.46 " W LONG.

ANTENNA ID: 25 7 meters SCIENTIFIC-ATLANTA, INC 7 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: HAMLIN
 LOCATION: 50 SW 6th St, Jones, Hamlin, TX
 32 ° 52 ' 43.70 " N LAT. 100 ° 7 ' 31.50 " W LONG.

ANTENNA ID: 26 4.5 meters Scientific-Atlantic 4.5 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: JEFFERSON CITY
 LOCATION: 3515 Zion Road, Cole, Jefferson City, MO
 38 ° 31 ' 31.20 " N LAT. 92 ° 16 ' 8.90 " W LONG.

ANTENNA ID: 27 3.8 meters Prodelin 3.8 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: JUNCTION
 LOCATION: 2519 College Street, Kimble, Junction, TX
 30 ° 29 ' 27.10 " N LAT. 99 ° 47 ' 24.20 " W LONG.

ANTENNA ID: 28 5.5 meters SCIENTIFIC-ATLANTIC 5.5 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: KINGMAN
 LOCATION: 3900 Airway Ave, Mohave, Kingman, AZ
 35 ° 13 ' 27.90 " N LAT. 114 ° 0 ' 48.30 " W LONG.

ANTENNA ID: 29 5 meters Antenna Tech Corp Simulsat 5m
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: MOREAUVILLE
 LOCATION: 1345 Highway 451, Avoyelles, Moreauville, LA
 31 ° 4 ' 38.50 " N LAT. 91 ° 55 ' 55.90 " W LONG.

ANTENNA ID: 30 3.7 meters Patriot 3.7 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: ROTAN
 LOCATION: 102 N Florence Ave, Fisher, Rotan, TX
 32 ° 51 ' 9.90 " N LAT. 100 ° 27 ' 44.40 " W LONG.

SITE ID: PADUCAH
 LOCATION: 1516 Goodwin St, Cottle, Paducah, TX
 34 ° 0 ' 26.20 " N LAT. 100 ° 18 ' 41.70 " W LONG.

ANTENNA ID: 38 3.8 meters Comtech Antenna 3.8 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: TERRELL
 LOCATION: 6094 Hwy 80 West, Kaufman, Terrell, TX
 32 ° 44 ' 29.30 " N LAT. 96 ° 21 ' 39.20 " W LONG.

ANTENNA ID: 39 3.2 meters Prodelin 3.2 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: TRENTON
 LOCATION: 2007 Tower Street, Grundy, Trenon, MO
 40 ° 5 ' 5.40 " N LAT. 93 ° 37 ' 35.20 " W LONG.

ANTENNA ID: 40 4.6 meters 4.6 Meter 4.6 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: WALDRON
 LOCATION: 1643 Washington St, Scott, Waldron, AR
 34 ° 53 ' 11.40 " N LAT. 94 ° 5 ' 31.20 " W LONG.

ANTENNA ID: 41 3.4 meters Patriot 3.4 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: WHITE HALL
 LOCATION: 201 Anderson Street, Jefferson, White Hall, AR
 34 ° 16 ' 35.60 " N LAT. 92 ° 5 ' 35.70 " W LONG.

ANTENNA ID: 42 3.5 meters Patriot 3.5 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: ABILENE
 LOCATION: 902 S Clack St, Taylor, Abilene, TX
 32 ° 26 ' 22.20 " N LAT. 99 ° 47 ' 17.00 " W LONG.

ANTENNA ID: 43 5 meters Antenna Tech Corp Simulsat 5m
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: STUTTGART
 LOCATION: 1466 E 10th Street, Arkansas, Stuttgart, AR
 34 ° 29 ' 37.30 " N LAT. 91 ° 32 ' 25.70 " W LONG.

SITE ID: Prairie View
 LOCATION: 300 Hwy 290 East, Waller, Prairie View, TX
 30 ° 4 ' 21.40 " N LAT. 95 ° 59 ' 16.10 " W LONG.

ANTENNA ID: 51 3.8 meters Patriot 3.8 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: Bryan
 LOCATION: 4114 East 29th street, Brazos, Bryan, TX
 30 ° 38 ' 33.80 " N LAT. 96 ° 19 ' 58.30 " W LONG.

ANTENNA ID: 52 3.8 meters Challenger 3.8 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: Caldwell
 LOCATION: 3394 State Hwy 21 W, BURLESON, Caldwell, TX
 30 ° 30 ' 42.18 " N LAT. 96 ° 44 ' 19.02 " W LONG.

ANTENNA ID: 53 5.5 meters Scientific Atlanta 5.5 meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: Bastrop
 LOCATION: 795 Kammell, Morehouse, Bastrop, LA
 32 ° 46 ' 59.30 " N LAT. 91 ° 56 ' 17.90 " W LONG.

ANTENNA ID: 54 3.5 meters Patriot 3.5 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

SITE ID: BECKLEY
 LOCATION: 329 Harper Heights Rd, Raleigh, Beckley, WV
 37 ° 48 ' 14.50 " N LAT. 81 ° 14 ' 3.60 " W LONG.

ANTENNA ID: 55 3.8 meters Patriot 3.8 Meter
 3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

SITE ID: BIG LAKE
 LOCATION: 100 Osterich Road, Reagan, Big Lake, TX
 31 ° 12 ' 33.70 " N LAT. 101 ° 26 ' 30.30 " W LONG.

ANTENNA ID: 56 4.5 meters SCIENTIFIC-ATLANTA 4.5 METER
 3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

ABILENE - PERMITTED LIST - ()

ATHENS - PERMITTED LIST - ()

Bastrop - PERMITTED LIST - ()
BECKLEY - PERMITTED LIST - ()
BIG LAKE - PERMITTED LIST - ()
BLYTHE - PERMITTED LIST - ()
BOONEVILLE - PERMITTED LIST - ()
BOONVILLE - PERMITTED LIST - ()
BRADY - PERMITTED LIST - ()
BRANSON - PERMITTED LIST - ()
BRECKENRIDGE - PERMITTED LIST - ()
BRENHAM - PERMITTED LIST - ()
BROOKFIELD - PERMITTED LIST - ()
Bryan - PERMITTED LIST - ()
Caldwell - PERMITTED LIST - ()
CHARLESTON - PERMITTED LIST - ()
CHARLESTON - PERMITTED LIST - ()
DEWITT - PERMITTED LIST - ()
EASTLAND - PERMITTED LIST - ()
FAIRVIEW - PERMITTED LIST - ()
FORESTHILL - PERMITTED LIST - ()
FORT SILL - PERMITTED LIST - ()
GATESVILLE - PERMITTED LIST - ()
GEORGETOWN - PERMITTED LIST - ()
GRAPELAND - PERMITTED LIST - ()
GRAYSON - PERMITTED LIST - ()
GREENWOOD - PERMITTED LIST - ()
HAMLIN - PERMITTED LIST - ()
HAZEN - PERMITTED LIST - ()
HELENA - PERMITTED LIST - ()
HENRYETTA - PERMITTED LIST - ()
HUGHES - PERMITTED LIST - ()

INGRAM - PERMITTED LIST - ()
JACKSONVILLE - PERMITTED LIST - ()
JEFFERSON CITY - PERMITTED LIST - ()
JUNCTION - PERMITTED LIST - ()
KINGMAN - PERMITTED LIST - ()
MALVERN - PERMITTED LIST - ()
MAMMOTH LAKES - PERMITTED LIST - ()
MOREAUVILLE - PERMITTED LIST - ()
OZARK - PERMITTED LIST - ()
PADUCAH - PERMITTED LIST - ()
Pahrump - PERMITTED LIST - ()
POTEAU - PERMITTED LIST - ()
Prairie View - PERMITTED LIST - ()
ROTAN - PERMITTED LIST - ()
RUSSELLVILLE - PERMITTED LIST - ()
RUSTON - PERMITTED LIST - ()
SAN SABA - PERMITTED LIST - ()
SENECAVILLE - PERMITTED LIST - ()
ST JOSEPH - PERMITTED LIST - ()
STUTTGART - PERMITTED LIST - ()
TERRELL - PERMITTED LIST - ()
TRENTON - PERMITTED LIST - ()
WALDRON - PERMITTED LIST - ()
WHITE HALL - PERMITTED LIST - ()

SES-MOD-20200317-00247 E E190169 L3 IEC

Application for Modification

05/14/2019 - 05/14/2034

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 10400 Philips Parkway Building 18900, Brevard, FL
 28 ° 23 ' 48.61 " N LAT. 80 ° 36 ' 20.37 " W LONG.

ANTENNA ID:	1	3.8 meters	GD Satcom (039295)	3.8m Dual Offset
14000.0000 - 14500.0000 MHz	4M96G7W	64.50 dBW	DIGITAL TRAFFIC, VARIOUS INFORMATION RATES. VARIOUS FEC TYPES, TRANSPORT FOR VARIOUS FORMS OF VOICE, VIDEO, DATA	
14000.0000 - 14500.0000 MHz	64K0G7W	50.54 dBW	DIGITAL TRAFFIC, VARIOUS INFORMATION RATES. VARIOUS FEC TYPES, TRANSPORT FOR VARIOUS FORMS OF VOICE, VIDEO, DATA	
11700.0000 - 12200.0000 MHz	4M96G7W	0.00 dBW	DIGITAL TRAFFIC, VARIOUS INFORMATION RATES. VARIOUS FEC TYPES, TRANSPORT FOR VARIOUS FORMS OF VOICE, VIDEO, DATA	
11700.0000 - 12200.0000 MHz	64K0G7W	0.00 dBW	DIGITAL TRAFFIC, VARIOUS INFORMATION RATES. VARIOUS FEC TYPES, TRANSPORT FOR VARIOUS FORMS OF VOICE, VIDEO, DATA	

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20200505-00492 E WD58 The Christian Broadcasting Network, Inc.
 Application for Modification 03/24/2010 - 03/24/2025
 Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 977 CENTERVILLE TURNPIKE, IND. CITY, VIRGINIA BEACH, VA
 36 ° 48 ' 1.50 " N LAT. 76 ° 11 ' 29.20 " W LONG.

ANTENNA ID:	1	10 meters	SCIENTIFIC ATLANTA	8002
5925.0000 - 6425.0000 MHz	36M0G7W	77.50 dBW	DIGITAL	
5925.0000 - 6425.0000 MHz	51K2G7W	77.50 dBW	DIGITAL	
5925.0000 - 6425.0000 MHz	36M0F3F	77.50 dBW	ANALOG VIDEO	
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL	
3700.0000 - 4200.0000 MHz	51K2G7W		DIGITAL	

3700.0000 - 4200.0000 MHz	36M0F3F		ANALOG VIDEO
ANTENNA ID: 2	9 meters	HARRIS	5251
5925.0000 - 6425.0000 MHz	36M0G7W	77.50 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	51K2G7W	77.50 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	36M0F3F	77.50 dBW	ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL
3700.0000 - 4200.0000 MHz	51K2G7W		DIGITAL
3700.0000 - 4200.0000 MHz	36M0F3F		ANALOG

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20200505-00493 E E930230 The Christian Broadcasting Network, Inc.
 Application for Modification 05/21/2018 - 05/21/2033
 Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 977 CENTERVILLE TURNPIKE, IND. CITY, VIRGINIA BEACH, VA
 36 ° 48 ' 1.00 " N LAT. 76 ° 11 ' 27.50 " W LONG.

ANTENNA ID: 1	11 meters	SCIENTIFIC-ATLANTA	8007
6098.5500 - 6425.0000 MHz	36M0G7W	78.40 dBW	DIGITAL VIDEO
6098.5500 - 6425.0000 MHz	51K2G7W	55.00 dBW	DIGITAL VIDEO
6068.9000 - 6088.3500 MHz	36M0G7W	78.40 dBW	DIGITAL VIDEO
6068.9000 - 6088.3500 MHz	51K2G7W	55.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	36M0G7W	78.40 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	51K2G7W	55.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	36M0F3F	78.40 dBW	ANALOG VIDEO
5925.0000 - 6058.7000 MHz	36M0G7W	78.40 dBW	DIGITAL VIDEO
5925.0000 - 6058.7000 MHz	51K2G7W	55.00 dBW	DIGITAL VIDEO

3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	51K2G7W	DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	36M0F3F	ANALOG VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180503-00548	E E180207	Kansas State University	
Registration			05/03/2018 - 05/03/2033
Grant of Authority			Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: McCain Main Studios
 LOCATION: McCain Auditorium, Third Floor 1501 Goldstein Circle, Riley, Manhattan, KS
 39 ° 11 ' 12.88 " N LAT. 96 ° 34 ' 45.89 " W LONG.

ANTENNA ID: 1

3700.0000 - 4200.0000 MHz	36M0G7W
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Points of Communication:

McCain Main Studios - PERMITTED LIST - ()

SES-REG-20180612-01417	E E180808	City of Wadsworth	
Registration			06/12/2018 - 06/12/2033
Grant of Authority			Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 365 Broad Street, Medina, Wadsworth, OH
 41 ° 1 ' 27.30 " N LAT. 81 ° 43 ' 12.61 " W LONG.

ANTENNA ID: SA8345 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz	36M0G7W	Television
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ANTENNA ID: Pro37 3.7 meters Prodelin P370FAE

3700.0000 - 4200.0000 MHz	36M0G7W	Television
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Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180621-01811 E E181082 Connecticut Radio Fellowship, Inc.
Registration 06/21/2018 - 06/21/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1933 South Main Street (Radio Station WIHS), Middlesex, Middletown, CT
41 ° 30 ' 26.31 " N LAT. 72 ° 40 ' 19.14 " W LONG.

ANTENNA ID: Main Dish 3.8 meters Patriot 3.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W -30.00 dBW Digital Audio SubCarriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180626-01910 E E181171 Edwards Communications LC
Registration 06/26/2018 - 06/26/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Alpena Michigan
LOCATION: 1491 M-32 West, Alpena, Alpena, MI
45 ° 3 ' 39.38 " N LAT. 83 ° 28 ' 53.71 " W LONG.

ANTENNA ID: ANTI 4.5 meters Prodelin 4.5
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and Video Signals

Points of Communication:

Alpena Michigan - PERMITTED LIST - ()

SES-REG-20180720-02115 E E181319 TSC COMMUNICATIONS, INC.
Registration 07/20/2018 - 07/20/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Wapakoneta, Ohio
LOCATION: 1051 Dearbaugh AV. 2 Willipie St., PO BOX 408, Auglaize, Wapakoneta, OH
40 ° 33 ' 31.00 " N LAT. 84 ° 12 ' 37.00 " W LONG.

ANTENNA ID: 5M 5 meters Antenna Tech Corp Simulsat 5M

SITE ID: 1
 LOCATION: MN-67, Yellow Medicine, Granite Falls, MN
 44 ° 48 ' 17.00 " N LAT. 95 ° 34 ' 50.00 " W LONG.

ANTENNA ID:	1	5 meters	USS	500
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW
				Analog Video with associated subcarriers
ANTENNA ID:	2	3.6 meters	USS	380
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW
				Analog Video with associated subcarriers
ANTENNA ID:	3	3 meters	Scientific Atlanta	SA9000
	3700.0000 - 4200.0000 MHz		30M0G7W	0.00 dBW
				Digital Video
	3700.0000 - 4200.0000 MHz		36M0F8F	0.00 dBW
				Analog Video with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180822-02739 E E181760 HunTel CableVision
 Registration 08/10/2018 - 08/10/2033
 Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

SITE ID: 1
 LOCATION: 87980 450th Ave, Rock County, Bassett, NE
 42 ° 34 ' 36.14 " N LAT. 99 ° 28 ' 45.04 " W LONG.

ANTENNA ID:	1	3.7 meters	Prodelin	1374-995
	3700.0000 - 4200.0000 MHz		36M0G7W	
				QPSK, compressed Video
ANTENNA ID:	2	3.8 meters	Comtech	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	
				QPSK, compressed Video
ANTENNA ID:	3	4.6 meters	Scientific Atlanta	N/A
	3700.0000 - 4200.0000 MHz		36M0G7W	
				QPSK, compressed Video
ANTENNA ID:	4	3.8 meters	Patriot	PRT-380

3700.0000 - 4200.0000 MHz	36M0G7W	QPSK, compressed Video
ANTENNA ID: 5	3.8 meters Patriot	PRT-380
3700.0000 - 4200.0000 MHz	36M0G7W	QPSK, compressed Video
ANTENNA ID: 6	3.8 meters Comtech	N/A
3700.0000 - 4200.0000 MHz	36M0G7W	QPSK, compressed Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180829-02751	E E181771	Southern Belle, LLC	08/27/2018 - 08/27/2033
Registration			Date Effective: 06/15/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 801 E DuBois Ave, Clearfield, Dubois, PA

ANTENNA ID: 1	3.8 meters Patriot	3.8m Commercial
3700.0000 - 4200.0000 MHz	36M0G7W	Digital Audio Signals

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180831-02730	E E181751	WaveDivision VII, LLC	08/31/2018 - 08/31/2033
Registration			Date Effective: 06/15/2020
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 41900 Highway 26, Clackamas, Sandy, OR
 45 ° 23 ' 3.00 " N LAT. 122 ° 13 ' 58.00 " W LONG.

ANTENNA ID: 1	5 meters Simulsat	5b
3700.0000 - 4200.0000 MHz	36M0F8F	Analog Video w/Associated Subcarriers
3700.0000 - 4200.0000 MHz	36M0G7F	Video Compressed

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180831-02731 E E181752 WaveDivision VII, LLC
Registration 08/31/2018 - 08/31/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 635 Glatt Circle, Marion, Woodburn, OR
45 ° 9 ' 3.00 " N LAT.

122 ° 51 ' 22.00 " W LONG.

ANTENNA ID:	1	5 meters	Simulsat	5b
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180831-02732 E E181753 WaveDivision I, LLC
Registration 08/31/2018 - 08/31/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4316 S. 104th Pl., King, Seattle, WA
47 ° 30 ' 35.74 " N LAT.

122 ° 16 ' 1.80 " W LONG.

ANTENNA ID:	1	4.5 meters	Patriot	Unknown
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed

ANTENNA ID:	2	5 meters	Simulsat	5b
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180831-02733 E E181754 WaveDivision VII, LLC
Registration 08/31/2018 - 08/31/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1045 Commerce Court, Marion, Silverton, OR
47 ° 30 ' 35.02 " N LAT. 122 ° 16 ' 50.50 " W LONG.

ANTENNA ID:	1	5 meters	Simulsat	5b
	3700.0000 - 4200.0000 MHz		36M0F8F	Analog Video w/Associated Subcarriers
	3700.0000 - 4200.0000 MHz		36M0G7F	Video Compressed

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20180918-03820 E E190121 KQDS ACQUISITION CORP.
Registration 09/18/2018 - 09/18/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1421 N. 3rd Ave. W (Tower Site KQDS), St. Louis, Duluth, MN
46 ° 47 ' 38.04 " N LAT. 92 ° 7 ' 2.66 " W LONG.

ANTENNA ID:	FOX Net	5 meters	AFC	PR 16-3
	3700.0000 - 4200.0000 MHz		36M0G7D	0.00 dBW Video
ANTENNA ID:	PKS Dish	3.8 meters	USS	380
	3700.0000 - 4200.0000 MHz		36M0G7D	0.00 dBW Video
ANTENNA ID:	Orange Bld	3 meters	SAMI	SI10
	3700.0000 - 4200.0000 MHz		36M0G7D	0.00 dBW Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181005-04850 E E191221 UniMas Albuquerque LLC
Registration 10/05/2018 - 10/05/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: N. W. of Rio Rancho, Sandoval, Zia Pueblo, NM
35 ° 24 ' 44.00 " N LAT.

106 ° 43 ' 34.40 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8 E/Az

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video, Audio, and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181009-03607 E E190007 Cox Communications Kansas, LLC

Registration

07/24/2018 - 07/24/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 10851 W. Frontview, Ford, Dodge City, KS
37 ° 46 ' 46.40 " N LAT.

ANTENNA ID: 3.8M. 3.8 meters DAWNco DH 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181009-03627 E E190010 Alpha 3E Licensee LLC

Registration

10/09/2018 - 10/09/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1633 W Main St, Freeborn, Albert Lea, MN
43 ° 38 ' 41.11 " N LAT.

93 ° 23 ' 19.37 " W LONG.

ANTENNA ID: AMC-18 3.8 meters Comtech 3.8M.

3700.0000 - 4200.0000 MHz

Points of Communication:

1 - PERMITTED LIST - ()

SITE ID: 1
LOCATION: 745 N. State Street (WRBJ-FM Studio), Hinds, Jackson, MS
32 ° 16 ' 36.44 " N LAT. 90 ° 17 ' 38.26 " W LONG.

ANTENNA ID: C 1 3.7 meters Sam-1 Mesh Dish Antenna
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181011-03082 E E181890 Giles Craig Communications Inc.
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Giles-Craig
LOCATION: 504 Snidow St., Giles, Pembroke, VA
37 ° 19 ' 14.00 " N LAT. 80 ° 38 ' 16.00 " W LONG.

ANTENNA ID: 1 3.7 meters Patriot PRT-380
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Video
ANTENNA ID: 2 3.1 meters Patriot PRT-310
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Video
ANTENNA ID: 3 3.7 meters Patriot PTR-380
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Video
ANTENNA ID: 4 3.1 meters Patriot PRT-310
3700.0000 - 4200.0000 MHz 36MOG7W 0.00 dBW Digital Video
ANTENNA ID: 5 3.7 meters Patriot PRT-380
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video

Points of Communication:

Giles-Craig - PERMITTED LIST - ()

SES-REG-20181012-05564 E E200267 Tower Broadcasting LLC
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Bath Studio

LOCATION: East Washington St Ext, Steuben, Bath, NY

77 ° 17 ' 30.30 " W LONG.

ANTENNA ID: ANT1 3.7 meters DAWNco SATPACK-D37-radio

Points of Communication:

Bath Studio - PERMITTED LIST - ()

SES-REG-20181012-05566 E E200269 Multimedia Network of North Carolina, Inc.

Registration 10/12/2018 - 10/12/2033

Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WYBE-CD Station Loca

LOCATION: 200 Short Road, Moore, Southern Pines, NC

35 ° 9 ' 57.80 " N LAT.

79 ° 25 ' 10.00 " W LONG.

ANTENNA ID: 1 4.5 meters Perfect Ten Unk

3700.0000 - 4200.0000 MHz 36M0G7D Video

Points of Communication:

WYBE-CD Station Loca - PERMITTED LIST - ()

SES-REG-20181012-05567 E E200270 Global Eagle Telecom Licensing Subsidiary LLC

Registration 10/12/2018 - 10/12/2033

Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: HOM-RO2

LOCATION: 200 Telegraph Hill Road, Monmouth, Holmdel, NJ

40 ° 23 ' 41.90 " N LAT.

74 ° 10 ' 23.90 " W LONG.

ANTENNA ID: HOM-RO#2 4.2 meters Andersen Manufacturing True Focus 4.2 M

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL DATA VIDEO AND AUDIO

Points of Communication:

HOM-RO2 - PERMITTED LIST - ()

SES-REG-20181012-05569 E E200272 2B Productions, LLC
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Main Studio
LOCATION: 1525 Jake Alexander Blvd. W Salisbury, NC, Rowan, Salisbury, NC
35 ° 40 ' 46.00 " N LAT. 80 ° 30 ' 24.00 " W LONG.

ANTENNA ID: 12M 12 meters Harris C-12
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW digital radio

Points of Communication:

Main Studio - PERMITTED LIST - ()

SES-REG-20181012-05572 E E200275 Pathway Christian Academy, Inc.
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WZRU Site
LOCATION: 232 Roanoke Avenue, Halifax, Roanoke Rapids, NC
36 ° 28 ' 7.00 " N LAT. 77 ° 39 ' 1.00 " W LONG.

ANTENNA ID: WZRU 4.5 meters Patriot Prime Focus
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Audio and associated subcarriers

Points of Communication:

WZRU Site - PERMITTED LIST - ()

SES-REG-20181012-05577 E E200280 Nebraska Educational Telecommunications Commission
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: NPR REC BKUP
LOCATION: 1800 N 33rd St., Lancaster, Lincoln, NE
40 ° 49 ' 53.10 " N LAT. 96 ° 40 ' 17.60 " W LONG.

ANTENNA ID: NPR REC BK 3.7 meters Miralite SatPak-D37

3700.0000 - 4200.0000 MHz	10M3G7W	Digital Audio Carrier
3700.0000 - 4200.0000 MHz	30K0F1D	Digital Broadcast Audio Carrier

Points of Communication:

NPR REC BKUP - PERMITTED LIST - ()

SES-REG-20181012-05583	E E200285	WSBT LICENSEE, LLC	
Registration			10/12/2018 - 10/12/2033
Grant of Authority			Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WSBT Site 2
 LOCATION: 1301 E. Douglas Rd, St. Joseph, Mishawaka, IN
 41 ° 42 ' 28.50 " N LAT. 86 ° 9 ' 58.50 " W LONG.

ANTENNA ID: 1 4.5 meters Scientific Atlanta 4.5M

3700.0000 - 4200.0000 MHz	36M0G7W	Digital Video and Data
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Points of Communication:

WSBT Site 2 - PERMITTED LIST - ()

SES-REG-20181012-05586	E E200288	Benne Broadcasting of Sedalia, LLC	
Registration			10/12/2018 - 10/12/2033
Grant of Authority			Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KDRO SAT DISH
 LOCATION: 301 S Ohio, Pettis, Sedalia, MO
 38 ° 42 ' 30.58 " N LAT. 93 ° 13 ' 40.33 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot 3.8 M Prime

3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	Digital Audio
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Points of Communication:

KDRO SAT DISH - PERMITTED LIST - ()

SES-REG-20181012-05587	E E200289	Virden Broadcasting Corp.	
Registration			10/12/2018 - 10/12/2033
Grant of Authority			Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 3101 Freeport Rd, Whiteside, Sterling, IL
41 ° 48 ' 59.50 " N LAT.

89 ° 40 ' 11.80 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181012-05588 E E200290 Wharton County Radio, Inc.

Registration

10/11/2018 - 10/11/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 515 E. Jackson Street, Wharton, El Campo, TX
29 ° 12 ' 0.04 " N LAT.

96 ° 15 ' 55.23 " W LONG.

ANTENNA ID: Ant 1 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with Subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181015-05793 E E200485 Tejas Broadcasting Ltd., LLP

Registration

10/15/2018 - 10/15/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Corpus Christi

LOCATION: 1733 S Brownlee Blvd, Nueces, Corpus Christi, TX
27 ° 46 ' 15.95 " N LAT.

97 ° 24 ' 8.86 " W LONG.

ANTENNA ID: CC 1 3.7 meters DH Satellite 37DH1

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Analog Audio

Points of Communication:

Corpus Christi - PERMITTED LIST - ()

SES-REG-20181015-05797 E E200489 The University of Montana
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KUFL Libby
LOCATION: 191 Gilcrease Ln, USA, Libby, MT
48 ° 22 ' 44.90 " N LAT. 115 ° 33 ' 33.00 " W LONG.

ANTENNA ID:	ANT1	3.7 meters	DAWNco	D37P-MD	
	3700.0000 - 4200.0000 MHz		30K0F1D	0.00 dBW	Digital Audio Carrier
	3700.0000 - 4200.0000 MHz		10M3G7W	0.00 dBW	Digital Audio Carrier

Points of Communication:

KUFL Libby - PERMITTED LIST - ()

SES-REG-20181015-05800 E E200492 Winston Broadcasting Network, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio
LOCATION: 2690 State Rd, Summit, Cuyahoga Falls, OH
41 ° 8 ' 43.30 " N LAT. 81 ° 30 ' 37.17 " W LONG.

ANTENNA ID:	Dish SE	3.8 meters	Unknown	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Audio & Video and data
ANTENNA ID:	Dish SW	5 meters	Unknown	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Audio & Video and data
ANTENNA ID:	Dish NW	3.8 meters	Unknown	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Audio & Video and data
ANTENNA ID:	Dish NE	3.6 meters	Unknown	Unknown	
	3700.0000 - 4200.0000 MHz		36M0G7W	0.00 dBW	Audio & Video and data

Points of Communication:

Studio - PERMITTED LIST - ()

SES-REG-20181015-05804 E E200496 The University of Montana
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KUFN Hamilton
LOCATION: 9190 Grubstake Rd, USA, Hamilton, MT
46 ° 13 ' 47.10 " N LAT. 114 ° 14 ' 10.10 " W LONG.

ANTENNA ID:	ANT1	3.7 meters	DAWNco	D37P-MD	
	3700.0000 - 4200.0000 MHz		30K0F1D	0.00 dBW	Digital Audio Carrier
	3700.0000 - 4200.0000 MHz		10M3G7W	0.00 dBW	Digital Audio Carrier

Points of Communication:

KUFN Hamilton - PERMITTED LIST - ()

SES-REG-20181015-05836 E E200526 Dead-Air Broadcasting Company, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 610 North Montana, Beaverhead, Dillon, MT
45 ° 13 ' 32.90 " N LAT. 112 ° 37 ' 43.80 " W LONG.

ANTENNA ID:	ANT1	3.7 meters	Prodelin	1374
	3700.0000 - 4200.0000 MHz		36M0G7W	Digital Video

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181015-05841 E E200531 The Original Company, Inc.
Registration 10/14/2018 - 10/14/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Vincennes
LOCATION: 522 Busseron St., Knox, Vincennes, IN
38 ° 40 ' 39.60 " N LAT. 87 ° 31 ' 43.00 " W LONG.

ANTENNA ID: Dish1 3.7 meters DawnCo D37F48-4DC-5.5
3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio

Points of Communication:

Vincennes - PERMITTED LIST - ()

SES-REG-20181015-05891 E E200581 Big River Radio, Inc. 10/15/2018 - 10/15/2033
Registration Date Effective: 06/15/2020
Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Ripley
LOCATION: 3674 Cedar Lakes Rd, Jackson, Ripley, WV
 38 ° 46 ' 1.10 " N LAT. 81 ° 41 ' 10.50 " W LONG.

ANTENNA ID: Ripley1 3.7 meters Generic Fiberglass 3.7
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Audio

Points of Communication:

Ripley - PERMITTED LIST - ()

SES-REG-20181015-05892 E E200582 Big River Radio, Inc. 10/15/2018 - 10/15/2033
Registration Date Effective: 06/15/2020
Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Point Pleasant
LOCATION: 303 Eighth St, Mason, Point Pleasant, WV
 38 ° 50 ' 47.80 " N LAT. 82 ° 8 ' 11.00 " W LONG.

ANTENNA ID: PointP11 3.7 meters Prodelin 1374-995
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Audio

Points of Communication:

Point Pleasant - PERMITTED LIST - ()

SES-REG-20181015-05895 E E200585 MTC Cable 10/15/2018 - 10/15/2033
Registration Date Effective: 06/15/2020
Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Townsend Hollow
LOCATION: 25 Townsend Hollow Road, Greene, Halcott Center, NY
42 ° 10 ' 40.00 " N LAT. 74 ° 28 ' 10.00 " W LONG.

ANTENNA ID: ANT 1-TS 3.7 meters General Dynamics 3.7m
3700.0000 - 4200.0000 MHz 5M65G7F Digital Video

ANTENNA ID: ANT 2-TS 4.5 meters SSE Series 8345
3700.0000 - 4200.0000 MHz 5M65G7F Digital Video

SITE ID: Dry Brook
LOCATION: 3119 Dry Brook Road, Delaware, Arkville, NY
42 ° 7 ' 44.00 " N LAT. 74 ° 34 ' 31.00 " W LONG.

ANTENNA ID: ANT 1-DB 3.8 meters Patriot 3.8m
3700.0000 - 4200.0000 MHz 5M65G7F Digital Video

SITE ID: Andes
LOCATION: 31697 State Hwy 28, Delaware, Andes, NY
42 ° 12 ' 10.00 " N LAT. 74 ° 44 ' 46.00 " W LONG.

ANTENNA ID: ANT 1-AD 3.7 meters General Dynamics 3.7m
3700.0000 - 4200.0000 MHz 5M65G7F Digital Video

ANTENNA ID: ANT 2-AD 3.7 meters General Dynamics 3.7m
3700.0000 - 4200.0000 MHz 5M65G7F Digital Video

SITE ID: New Kingston
LOCATION: 15 Sandford Hollow Road, Delaware, New Kingston, NY
42 ° 12 ' 49.39 " N LAT. 74 ° 40 ' 57.17 " W LONG.

ANTENNA ID: ANT 1-NK 3.8 meters Patriot 3.8m
3700.0000 - 4200.0000 MHz 5M65G7F Digital Video

ANTENNA ID: ANT 2-NK 4.5 meters SSE Series 8345
3700.0000 - 4200.0000 MHz 5M65G7F Digital Video

Points of Communication:

Andes - PERMITTED LIST - ()

Dry Brook - PERMITTED LIST - ()

New Kingston - PERMITTED LIST - ()

Townsend Hollow - PERMITTED LIST - ()

SES-REG-20181015-05909 E E200599 Fayette Broadcasting Corporation
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Earth Station
LOCATION: 44 S. Mt. Vernon Ave., Fayette, Uniontown, PA
39 ° 53 ' 59.63 " N LAT. 79 ° 43 ' 58.39 " W LONG.

ANTENNA ID: ant3.7 3.7 meters GD/Satcom ant3.7
3700.0000 - 4200.0000 MHz 36M0G7W digital

Points of Communication:

Earth Station - PERMITTED LIST - ()

SES-REG-20181015-06073 E E200764 Jacobson Broadcasting Company, Inc
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: ANT1
LOCATION: 3875 - 150th St, Emmet, Estherville, IA
43 ° 25 ' 48.00 " N LAT. 94 ° 49 ' 20.00 " W LONG.

ANTENNA ID: ANT1 2.8 meters Scientific Atl. 2.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

ANT1 - PERMITTED LIST - ()

SES-REG-20181016-05713 E E200402 KSTP-TV, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSPT-TV, LLC
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
44 ° 58 ' 8.11 " N LAT. 93 ° 12 ' 24.90 " W LONG.

ANTENNA ID: KSTP-TV 3.7 meters PRODELIN 161-6
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSPT-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05714 E E200403 KSTP-TV, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
44 ° 58 ' 8.15 " N LAT. 93 ° 12 ' 23.99 " W LONG.

ANTENNA ID: KSTP-TV 5 meters COMTECH 5X3METER
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05716 E E200405 KSTP-TV, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
44 ° 58 ' 7.23 " N LAT. 93 ° 12 ' 27.62 " W LONG.

ANTENNA ID: KSTP-TV 3.7 meters DH 37DH1
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05717 E E200406 KSTP-TV, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
44 ° 58 ' 7.51 " N LAT. 93 ° 12 ' 29.09 " W LONG.

ANTENNA ID: KSTP-TV 3.7 meters DH 37DH1
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05718 E E200407 KSTP-TV, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
44 ° 58 ' 6.62 " N LAT. 93 ° 12 ' 28.10 " W LONG.

ANTENNA ID: KSTP-TV 4.5 meters CYCLESAT 4.5
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05721 E E200410 W.K. Communications, Inc.
Registration 06/20/2018 - 06/20/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Anthony
LOCATION: 1101 N Lincoln, Harper, Anthony, KS
37 ° 9 ' 48.50 " N LAT. 98 ° 1 ' 34.60 " W LONG.

ANTENNA ID: 3.9 Meter 3.9 meters Patriot 3.9 Meter

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video Carrier

Points of Communication:

Anthony - PERMITTED LIST - ()

SES-REG-20181016-05722 E E200411 KSTP-TV, LLC

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC

LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN

44 ° 58 ' 6.98 " N LAT.

93 ° 12 ' 27.93 " W LONG.

ANTENNA ID: KSTP-TV 3.8 meters DH

3.8 METER

3700.0000 - 4200.0000 MHz

36M0G7F

0.00 dBW

COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05723 E E200412 Ramar Communications, Inc.

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2400 Monroe NE, Bernalillo, Albuquerque, NM

35 ° 6 ' 20.80 " N LAT.

106 ° 35 ' 24.80 " W LONG.

ANTENNA ID: C-Band 3.8 meters Patriot

3.8 meter

3700.0000 - 4200.0000 MHz

36M0G7W

Digital video, audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05724 E E200413 KSTP-TV, LLC

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
44 ° 58 ' 8.33 " N LAT. 93 ° 12 ' 25.12 " W LONG.

ANTENNA ID: KSTP-TV 5 meters SIMULSAT SIMULSAT
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05725 E E200414 KSTP-TV, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
45 ° 3 ' 45.89 " N LAT. 93 ° 8 ' 23.12 " W LONG.

ANTENNA ID: KSTP-TV 4.5 meters PATRIOT 4.5 METER
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05726 E E200415 KSTP-TV, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KSTP-TV, LLC
LOCATION: 3415 UNIVERSITY AVENUE, WEST, RAMSEY, ST. PAUL, MN
45 ° 3 ' 45.89 " N LAT. 93 ° 8 ' 23.12 " W LONG.

ANTENNA ID: KSTP-TV 3.2 meters SA SERIES 9000, 3.2
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

KSTP-TV, LLC - PERMITTED LIST - ()

SES-REG-20181016-05729 E E200418 Cowles Montana Media Company
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KULR
LOCATION: 2045 Overland Ave., Yellowstone, Billings, MT
45 ° 45 ' 11.30 " N LAT. 108 ° 34 ' 6.50 " W LONG.

ANTENNA ID: 1 4.6 meters Vertex 4.6KPC
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

Points of Communication:

KULR - PERMITTED LIST - ()

SES-REG-20181016-05732 E E200421 Ramar Communications, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 9800 University Ave, Lubbock, Lubbock, TX
33 ° 30 ' 16.50 " N LAT. 101 ° 52 ' 18.20 " W LONG.

ANTENNA ID: 1 5 meters Comtech 5.0M
3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio, data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05733 E E200422 Glasgow Broadcasting Corporation
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KLTZ Glasgow
LOCATION: 504 2nd Ave South, Valley, Glasgow, MT
48 ° 11 ' 40.20 " N LAT. 106 ° 38 ' 12.20 " W LONG.

ANTENNA ID: ANT1 3.2 meters Scientific Atlanta Series 9000

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video and Digital Aural

Points of Communication:

KLTZ Glasgow - PERMITTED LIST - ()

SES-REG-20181016-05736 E E200425 Cowles Montana Media Company

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KFBB site

LOCATION: 3200 Old Havre Highway, Cascade, Great Falls, MT

47 ° 32 ' 6.67 " N LAT.

111 ° 17 ' 1.63 " W LONG.

ANTENNA ID: 1 4.5 meters Andres 4.5 Meter C-

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

Points of Communication:

KFBB site - PERMITTED LIST - ()

SES-REG-20181016-05737 E E200426 WBTX Radio, LLC

Registration

10/16/2018 - 10/16/2033

Grant of Authority

Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WBTX STUDIO

LOCATION: 166 MAIN STREET, ROCKINGHAM, BROADWAY, VA

38 ° 36 ' 53.30 " N LAT.

78 ° 47 ' 55.10 " W LONG.

ANTENNA ID: COM38 3.8 meters COMTECH 3.8 M

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

Points of Communication:

WBTX STUDIO - PERMITTED LIST - ()

SES-REG-20181016-05868 E E200558 Living Faith Ministries Inc
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1100 Sharps Ridge Memorial Park Drive, Knox, Knoxville, TN
36 ° 0 ' 35.00 " N LAT. 83 ° 55 ' 57.63 " W LONG.

ANTENNA ID:	1	3 meters	DH Satellite	DH-HDP-3.0
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181016-05894 E E200584 The Calvary Bible Church of Lapeer
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WMPC
LOCATION: 1800 N, Lapeer Rd., Lapeer, Lapeer, MI
43 ° 4 ' 45.40 " N LAT. 83 ° 18 ' 39.70 " W LONG.

ANTENNA ID:	WMPC 1	4.2 meters	DH	42DH
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital audio and data
	3700.0000 - 4200.0000 MHz		36M0F8W 0.00 dBW	Analog audio
ANTENNA ID:	WMPC 2	3 meters	DH	30DH1
	3700.0000 - 4200.0000 MHz		36M0G7W 0.00 dBW	Digital audio and data
	3700.0000 - 4200.0000 MHz		36M0F8W 0.00 dBW	Analog audio

Points of Communication:

WMPC - PERMITTED LIST - ()

SES-REG-20181016-06157 E E200845 Middle Tennessee State University
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Sat Shed Site 1
LOCATION: 1400 Greenland Drive, Rutherford, Murfreesboro, TN
35 ° 51 ' 1.50 " N LAT. 86 ° 21 ' 43.97 " W LONG.

ANTENNA ID: ANT 1 3.7 meters DH Satellite 3.7
3700.0000 - 4200.0000 MHz 36M0G7F Digital compressed video with associated audio subcarriers

Points of Communication:

Sat Shed Site 1 - PERMITTED LIST - ()

SES-REG-20181016-06386 E E201036 Logan Broadcasting Corporation
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 204 Main Street, Logan, Logan, WV
37 ° 50 ' 49.16 " N LAT. 81 ° 59 ' 33.25 " W LONG.

ANTENNA ID: Ant 1 3 meters Channel Master 6346
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and video signals
ANTENNA ID: Ant 2 3 meters Winegard unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio and video signals

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181017-06668 E E201286 KXLE, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KXLE
LOCATION: 1311 Vantage Highway, Kittitas, Ellensburg, WA
47 ° 0 ' 8.88 " N LAT. 120 ° 31 ' 35.02 " W LONG.

ANTENNA ID: 1 3.7 meters Channel Master TERO

3700.0000 - 4200.0000 MHz 36M0G7D

Points of Communication:

KXLE - PERMITTED LIST - ()

SES-REG-20181017-06711 E E201328 Bee Broadcasting ,Inc
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Kalispell
LOCATION: 2432 US Hwy 2 E, Flathead, Kalispell, MT
48 ° 14 ' 2.56 " N LAT. 114 ° 16 ' 37.91 " W LONG.

ANTENNA ID: ant3.8 3.8 meters Patriot ant3.8

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Audio

Points of Communication:

Kalispell - PERMITTED LIST - ()

SES-REG-20181017-06868 E E201482 DELTA RADIO LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 06/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WKXY downlink
LOCATION: 3965 Highway 61 N, Bolivar, Cleveland, MS
33 ° 47 ' 33.00 " N LAT. 90 ° 43 ' 7.00 " W LONG.

ANTENNA ID: WKXY 3.7 meters DH 3.7M DH-AZEL

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio Signals - QPSK and 8PSK

Points of Communication:

WKXY downlink - PERMITTED LIST - ()

SES-REG-20181017-06948 E E201564 Southern Communications, LLC
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 06/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1305 East Helvenston Street, Live Oak, FL
30 ° 17 ' 14.00 " N LAT. 82 ° 57 ' 56.00 " W LONG.

ANTENNA ID: ANT 1 3.8 meters Comtech

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181017-07088 E E201689 Mark III Media, Inc.
Registration 10/17/2018 - 10/17/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Casper
LOCATION: 1856 Skyview Drive, Casper, WY
42 ° 52 ' 21.68 " N LAT. 106 ° 21 ' 18.27 " W LONG.

ANTENNA ID: 4.5m 4.5 meters Andrew ESA45-4A

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video/TV

ANTENNA ID: 3.6m 3.6 meters AFC PR-12

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video/TV

Points of Communication:

Casper - GALAXY 16 (S2687) - (99 W.L.)

Casper - GALAXY 18 (S2733) - (123 W.L.)

Casper - GALAXY 19 (S2647) - (97 W.L.)

Casper - GALAXY 28 (S2160) - (89.0 W.L.)

Casper - GALAXY 3C (S2381) - (95.05 W.L.)

Casper - PERMITTED LIST - ()

Casper - SES-1 (S2807) - (101.0 W.L.)

SES-REG-20181019-07154 E E201744 NRJ TV Boston License Co, LLC
Registration 10/19/2018 - 10/19/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WMFP Newton
LOCATION: Middlesex, Newton, MA
42 ° 18 ' 29.00 " N LAT. 71 ° 13 ' 26.00 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot AE3.8
3700.0000 - 4200.0000 MHz 36M0G7W QPSK or 8PSK

Points of Communication:

WMFP Newton - PERMITTED LIST - ()

SES-REG-20181022-05735 E E200424 WRCJ-FM, Detroit Classical and Jazz Educational Radio, LLC.
Registration 10/22/2018 - 10/22/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Oak Park Transmitter
LOCATION: 20931 Meyers, Oakland, Oak Park, MI
42 ° 26 ' 51.40 " N LAT. 83 ° 10 ' 21.20 " W LONG.

ANTENNA ID: 3.7M 3.7 meters DH Satellite DH-37AE
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog and Digital audio services

Points of Communication:

Oak Park Transmitter - PERMITTED LIST - ()

SES-REG-20181022-07145 E E201734 Word Broadcasting Network, Inc.
Registration 10/19/2018 - 10/19/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 61015
LOCATION: 6301 Moser Knob RD, Floyds Knobs, KY
38 ° 21 ' 55.00 " N LAT. 85 ° 50 ' 24.00 " W LONG.

ANTENNA ID: ANT1 4 meters General Dynamics 1385
3700.0000 - 4200.0000 MHz 36M0G7W digital

Points of Communication:

61015 - PERMITTED LIST - ()

SES-REG-20181022-07146 E E201735 Word Broadcasting Network, Inc.
Registration 10/19/2018 - 10/19/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 61026
LOCATION: 3201 Dickerson Pike, Nashville, TN
36 ° 14 ' 5.46 " N LAT. 86 ° 45 ' 19.49 " W LONG.

ANTENNA ID: ANT1 4 meters General Dynamics 1385
3700.0000 - 4200.0000 MHz 36M0G7W digital

Points of Communication:

61026 - PERMITTED LIST - ()

SES-REG-20181022-07170 E E201760 Jim McCollum
Registration 10/19/2018 - 10/19/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: Fairgrounds Ave, Union, Clayton, NM
36 ° 26 ' 38.10 " N LAT. 103 ° 11 ' 26.80 " W LONG.

ANTENNA ID: Ant 1 3.7 meters PRODELIN 1374
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW digital

Points of Communication:

Site 1 - PAS-3R - (43.0 W.L.)

SES-REG-20181023-07128 E E201717 BUDD BROADCASTING CO., INC.
Registration 10/22/2018 - 10/22/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 8675 Hogan Rd, Duval, Jacksonville, FL
30 ° 16 ' 51.00 " N LAT. 81 ° 34 ' 12.20 " W LONG.

ANTENNA ID: ANT1 1.8 meters DAWNco Dawn 1.8

3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video
3700.0000 - 4200.0000 MHz	36M0F8F	0.00 dBW	Analog video with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181026-07184 E E201777 The Ohio State University
 Registration 10/26/2018 - 10/26/2033
 Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: DH 3.0
 LOCATION: 1318 Kinnear Road, Franklin, Columbus, OH
 40 ° 0 ' 9.20 " N LAT. 83 ° 2 ' 41.90 " W LONG.

ANTENNA ID: 3.0M	3 meters	DH	3.0M
3700.0000 - 4200.0000 MHz	30K0F3W		Digital / analog traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz	36M0F3W		Digital / analog traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz	30K0G7W		Digital traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz	36M0G7W		Digital traffic, various FEC, data rates and modulation

Points of Communication:

DH 3.0 - PERMITTED LIST - ()

SES-REG-20181026-07188 E E201781 Bristol Broadcasting Co., Inc.
 Registration 10/26/2018 - 10/26/2033
 Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Bristol Studios
 LOCATION: 6000 Bristol Drive, McCracken, Paducah, KY
 37 ° 0 ' 51.00 " N LAT. 88 ° 36 ' 53.40 " W LONG.

ANTENNA ID: Ant 1	4.5 meters	AMERICAN ANTENNAS, INC	TVRO- 4.5
3700.0000 - 4200.0000 MHz	30M0G7W	0.00 dBW	Digital Video

3700.0000 - 4200.0000 MHz

ANTENNA ID: Ant 2 4.5 meters

3700.0000 - 4200.0000 MHz

Points of Communication:

KCYL Sat - PERMITTED LIST - ()

SES-REG-20181030-07238 E E201831 AGM California, Inc.
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: AGM BAK
LOCATION: 1400 Easton Drive Suite 133, Kern, Bakersfield, CA
35 ° 22 ' 11.70 " N LAT. 119 ° 2 ' 39.50 " W LONG.

ANTENNA ID: Ant 1 3.8 meters Patriot PRT-380

3700.0000 - 4200.0000 MHz 36M0G7W digital audio and video

Points of Communication:

AGM BAK - PERMITTED LIST - ()

SES-REG-20181030-07243 E E201836 Faye and Richard Tuck, Inc
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site1
LOCATION: 711 Ferris Avenue, Ellis, Waxahachie, TX
32 ° 23 ' 40.60 " N LAT. 96 ° 50 ' 49.80 " W LONG.

ANTENNA ID: ANT1 3.9 meters Prodelin 2120

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Audio

Points of Communication:

Site1 - PERMITTED LIST - ()

SES-REG-20181030-07276 E E201870 Henson Media, Inc.
Registration 10/30/2018 - 10/30/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1339 US 60-W 1339 US 60-W, Union, Morganfield, KY
37 ° 40 ' 4.60 " N LAT. 87 ° 55 ' 49.20 " W LONG.

ANTENNA ID: ANT1 3.5 meters TEK 2000
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation & services Analog Video with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181031-06599 E E201216 Churchill County Telephone dba CC Communications
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV
39 ° 27 ' 59.88 " N LAT. 118 ° 46 ' 31.28 " W LONG.

ANTENNA ID: 1 4.5 meters ViaSat 8345 PF
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: 2
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV
39 ° 27 ' 59.68 " N LAT. 118 ° 46 ' 31.23 " W LONG.

ANTENNA ID: 2 4.5 meters ViaSat 8345 PF
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Standard Video Carrier

SITE ID: 3
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV
39 ° 27 ' 59.87 " N LAT. 118 ° 46 ' 31.02 " W LONG.

ANTENNA ID: 3 4.5 meters ViaSat 8345 PF
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: 4
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV
39 ° 27 ' 59.85 " N LAT. 118 ° 46 ' 30.51 " W LONG.

ANTENNA ID: 4 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: 5
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV
39 ° 28 ' 0.00 " N LAT. 118 ° 46 ' 30.38 " W LONG.

ANTENNA ID: 5 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: 6
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV
39 ° 27 ' 59.68 " N LAT. 118 ° 46 ' 30.70 " W LONG.

ANTENNA ID: 6 3.7 meters Prodelin 1374
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

SITE ID: 7
LOCATION: 903 S. Maine Street, Churchill, Fallon, NV
39 ° 27 ' 59.68 " N LAT. 118 ° 46 ' 30.94 " W LONG.

ANTENNA ID: 7 4.5 meters ViaSat 8345 PF
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video Carrier

Points of Communication:

- 1 - PERMITTED LIST - ()
- 2 - PERMITTED LIST - ()
- 3 - PERMITTED LIST - ()
- 4 - PERMITTED LIST - ()
- 5 - PERMITTED LIST - ()
- 6 - PERMITTED LIST - ()
- 7 - PERMITTED LIST - ()

SES-REG-20181031-06702 E E201319 Trinity Media Ltd.
Registration
Grant of Authority

10/17/2018 - 10/17/2033
Date Effective: 06/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WLNL1

LOCATION: 3134 Lake Road, Chemung, Horseheads, NY

42 ° 8 ' 30.20 " N LAT.

76 ° 48 ' 49.10 " W LONG.

ANTENNA ID: WLNL1 3.6 meters Prodelin 12C576

3700.0000 - 4200.0000 MHz 36M0G7W Digital Data, Audio & Video

Points of Communication:

WLNL1 - PERMITTED LIST - ()

SES-REG-20181031-07209 E E201802 Eagle's Nest Inc.

Registration

10/27/2018 - 10/27/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1

LOCATION: 6855 HWY 431, Randolph, Roanoke, AL

33 ° 11 ' 7.52 " N LAT.

85 ° 24 ' 12.07 " W LONG.

ANTENNA ID: ANT1 5.5 meters TBDant5.5 Tvro 5.5

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with Associated Subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181101-07356 E E201951 Cherokee Broadcasting Company

Registration

11/01/2018 - 11/01/2033

Grant of Authority

Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Dish 1

LOCATION: 195 Hampton Church Rd, Cherokee, Murphy, NC

35 ° 3 ' 59.90 " N LAT.

83 ° 59 ' 57.82 " W LONG.

ANTENNA ID: Dish 1 3 meters DH Satellite

3700.0000 - 4200.0000 MHz

Points of Communication:

Dish 1 - PERMITTED LIST - ()

SES-REG-20181109-07287 E E201882 Gorge Country Media, Inc.
Registration 10/31/2018 - 10/31/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Main Office
LOCATION: 620 E 3rd St, Wasco, The Dalles, OR
45 ° 35 ' 53.00 " N LAT. 121 ° 10 ' 40.00 " W LONG.

ANTENNA ID: Main Office 3.048 meters Columbia Not Sure
3700.0000 - 4200.0000 MHz 36M0G7W Audio

Points of Communication:

Main Office - PERMITTED LIST - ()

SES-REG-20181111-07360 E E201955 Legacy Broadcasting, LLC
Registration 11/01/2018 - 11/01/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 52046
LOCATION: 232 Knoe Tower Rd, Caldwell, Columbia, LA
32 ° 11 ' 51.00 " N LAT. 92 ° 4 ' 14.00 " W LONG.

ANTENNA ID: 1 3.7 meters D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz

Points of Communication:

52046 - PERMITTED LIST - ()

SES-REG-20181111-07362 E E201957 Legacy Broadcasting of Rapid City, LLC
Registration 11/01/2018 - 11/01/2033
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 17688
LOCATION: 1629 Skyline Drive, Pennington, Rapid City, SD
44 ° 4 ' 13.34 " N LAT. 103 ° 15 ' 2.61 " W LONG.

ANTENNA ID: SES1 3.8 meters

3700.0000 - 4200.0000 MHz

Points of Communication:

17688 - PERMITTED LIST - ()

SES-RWL-20200408-00377 E E4756 Comcast of Illinois XI, LLC

Renewal

04/12/2020 - 04/12/2035

Grant of Authority

Date Effective: 06/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: COOK, MT. PROSPECT, IL

42 ° 4 ' 29.00 " N LAT.

87 ° 55 ' 4.00 " W LONG.

ANTENNA ID: 1 5 meters ANIXTER MARK

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200522-00556 E E050213 Scripps Broadcasting Holdings LLC

Renewal

07/13/2020 - 07/13/2035

Grant of Authority

Date Effective: 06/09/2020

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1103 ERASTE LANDRY ROAD (KATC), LAFAYETTE, LAFAYETTE, LA

30 ° 13 ' 25.70 " N LAT.

92 ° 3 ' 20.40 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORPORATION ESA45-46A

3700.0000 - 4200.0000 MHz 36M0F3F STANDARD ANALOG VIDEO

3700.0000 - 4200.0000 MHz 36M0G7F COMPRESSED DIGITAL VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200609-00611 E E050234 Alascom, Inc.
Renewal 09/07/2020 - 09/07/2035
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: PUMP STATION 4
LOCATION: 260 MILES NORTH OF, FAIRBANKS, AK
68 ° 25 ' 21.00 " N LAT. 149 ° 21 ' 24.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORP	ESA45-46
5925.0000 - 6425.0000 MHz		1M24G7W	60.60 dBW	PSK & QAM, VOICE & DATA
3700.0000 - 4200.0000 MHz		1M24G7W		PSK & QAM, VOICE & DATA

Points of Communication:

PUMP STATION 4 - PERMITTED LIST - ()

SES-RWL-20200609-00612 E E050233 Alascom, Inc.
Renewal 09/07/2020 - 09/07/2035
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: PUMP STATION 5
LOCATION: 170 MILES NORTHWEST OF, FAIRBANKS, AK
66 ° 48 ' 45.00 " N LAT. 150 ° 39 ' 56.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORP	ESA45-46
5925.0000 - 6425.0000 MHz		1M24G7W	60.60 dBW	PSK & QAM, VOICE & DATA
3700.0000 - 4200.0000 MHz		1M24G7W		PSK & QAM, VOICE & DATA

Points of Communication:

PUMP STATION 5 - PERMITTED LIST - ()

SES-RWL-20200611-00608 E E050140 Scripps Broadcasting Holdings LLC
Renewal 06/22/2020 - 06/22/2035
Grant of Authority Date Effective: 06/15/2020

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 3701 S. PEORIA ST. TULSA, OK 74105, VARIOUS

ANTENNA ID:	1	1.5 meters	ADVENT/NEWSSWIFT	1.5M SNG
	14000.0000 - 14500.0000 MHz		36M0G7W	65.50 dBW
				ONE DIGITAL CARRIER FOR VIDEO/VOICE/DATA
	11700.0000 - 12200.0000 MHz		36M0G7W	
				ONE DIGITAL CARRIER FOR VIDEO/VOICE/DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200611-00609	E	E050180	KXLN License Partnership, L.P.	
Renewal				08/01/2020 - 08/01/2035
Grant of Authority				Date Effective: 06/15/2020

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 9440 KIRBY DR. HOUSTON, TX 99054, VARIOUS
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " E LONG.

ANTENNA ID:	DSNG1	1.5 meters	ADVENT	NEWSWIFT 1.5
	14000.0000 - 14500.0000 MHz		36M0G7W	66.60 dBW
				ONE 36 MCPC DIGITAL CARRIER FOR VOICE/DATA WITH AN EMISSION DESIGNATOR OF 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200611-00610	E	E050138	Lowery Satellite Services Inc.	
Renewal				06/22/2020 - 06/22/2035
Grant of Authority				Date Effective: 06/15/2020

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: K111
 LOCATION:

ANTENNA ID:	1	1.8 meters	Channelmaster	180TX
	14000.0000 - 14500.0000 MHz		36M0F3F	68.56 dBW
				Analog Frequency modulated video and audio information

Points of Communication:

K111 - PERMITTED LIST - ()

SES-RWL-20200612-00613 E E8776 Viacom International Inc.
Renewal 08/05/2020 - 08/05/2035
Grant of Authority Date Effective: 06/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 35 ADAMS AVE., SUFFOLK, HAUPPAUGE, NY
40 ° 49 ' 15.00 " N LAT. 73 ° 15 ' 18.40 " W LONG.

ANTENNA ID: 1 11 meters SCIENTIFC-ATLANTA 8016B
5925.0000 - 6425.0000 MHz 36M0G7W 75.20 dBW DIGITAL VIDEO AND DATA
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200616-00639 E E050168 ABC, Inc.
Renewal 07/25/2020 - 07/25/2035
Grant of Authority Date Effective: 06/16/2020

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1 1.2 meters AVL TECHNOLOGIES 1200 US DSNG
14000.0000 - 14500.0000 MHz 36M0G7W 63.87 dBW DIGITAL, VIDEO, AUDIO, DATA
AND ASSOCIATED SIGNALS

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200616-00642 E E950269 CBS Communications Services Inc.
Renewal 07/28/2020 - 07/28/2035
Grant of Authority Date Effective: 06/16/2020

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1 2.4 meters ANDREWS CORPORATION MODEL ESA24VSM-KU

14000.0000 - 14500.0000 MHz	36M0F3F	76.40 dBW
14000.0000 - 14500.0000 MHz	64K0G7E	42.60 dBW
14000.0000 - 14500.0000 MHz	26K0F3E	38.70 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20200406-00376 E E201193 SpaceX Services, Inc.
 Special Temporary Authority
 Grant of Authority Date Effective: 06/15/2020

Class of Station:

On June 15, 2020, SpaceX Services, Inc. (SpaceX Services) was granted special temporary authority for 60 days, beginning June 15, 2020, to operate its fixed earth stations in Arbutle, CA and Panaca, NV to provide Ka-band gateway services to deliver broadband data between the satellites of its NGSO system (S2983/3018) and terrestrial Internet exchange points in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20200417-00423 E E201981 SpaceX Services, Inc.
 Special Temporary Authority
 Grant of Authority Date Effective: 06/15/2020

Class of Station:

On June 15, 2020, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning June 15, 2020, to operate its fixed earth stations in Warren, MO to provide Ka-band gateway services to deliver broadband data between the satellites of its NGSO system (S2983/3018) and terrestrial Internet exchange points in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20200420-00429 E E190489 SES Americom, Inc.
 Special Temporary Authority
 Grant of Authority Date Effective: 06/11/2020

Class of Station:

On June 11 2020, SES Americom, Inc. was granted special temporary authority for 60 days, beginning June 11, 2020, to operate its fixed earth station at 21°40'16.4"N, 158° 01' 52.8"W in Kooluloa, HI to conduct antenna verification testing with the Gibraltar licensed NSS-11 satellite at orbital location 176°E and the Netherlands licensed NSS-6 satellite at orbital location 169.5W in the 14.0-14.5 GHz (H,V) (Earth-to-space) and 10.95-11.20 GHz (H,V), 11.45-11.7 GHz, 12.25-12.75 GHz (H,V) (space-to-Earth) frequency bands.

Points of Communication:

SES-STA-20200428-00459 E E201763 SpaceX Services, Inc.

Special Temporary Authority
Grant of Authority

Date Effective: 06/15/2020

Class of Station:

On June 15, 2020, SpaceX Services, Inc. was granted special temporary authority for 60 days, beginning June 15, 2020, to operate its fixed earth station in Nemaha, NE to provide Ka-band gateway services to deliver broadband data between the satellites of its NGSO system (Call Signs S2983/3018) and terrestrial Internet exchange points in the 27.5-29.1 GHz and 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz and 18.8-19.3 GHz (space-to-Earth) frequency bands.

SITE ID: Nemaha
LOCATION:

Points of Communication:

Red light override

SES-STA-20190606-00735

Kepler Communications Inc.

Returned without action.

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