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

**Amendment**

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 575 South Madison Ave, Yuma, Yuma, AZ

32° 43' 0.00" N LAT.

114° 37' 8.00" W LONG.

**ANTENNA ID:** 1

9.2 meters

General Dynamics

9.2 meter

50400.0000 - 51400.0000 MHz

470MG7W

72.00 dBW

M-ary PSK outroute

47200.0000 - 50200.0000 MHz

470MG7W

72.00 dBW

M-ary PSK outroute

40000.0000 - 42000.0000 MHz

470MG7W

-99.00 dBW

M-ary PSK inroute

28100.0000 - 29100.0000 MHz

470MG7W

73.00 dBW

M-ary PSK outroute

27500.0000 - 28000.0000 MHz

470MG7W

73.00 dBW

M-ary PSK outroute

**Points of Communication:**

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)
### SES-AMD-20190221-00284

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**SITE ID:** 1  
**LOCATION:** 1 Superloop Circle Suite 3, Storey, McCarren, NV  
39° 30' 53.00" N LAT.  
119° 28' 0.46" W LONG.  
**ANTENNA ID:** 9.2 meter  
**LOCATION:** General Dynamics  
9.2 meters  
**ANTENNA ID:** 1  
**LOCATION:** 9.2 meters  
**GENERAL DYNAMICS**  
**LOCATION:** 9.2 meters  
**Points of Communication:**  
1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

### SES-AMD-20190221-00285

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**SITE ID:** 1  
**LOCATION:** 1 Aerojet Way, Clark, North Las Vegas, NV  
36° 14' 11.80" N LAT.  
115° 7' 5.50" W LONG.  
**ANTENNA ID:** 9.2 meter  
**LOCATION:** General Dynamics  
9.2 meters  
**ANTENNA ID:** 1  
**LOCATION:** 9.2 meters  
**GENERAL DYNAMICS**  
9.2 meters  
**Points of Communication:**  

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

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<tr>
<th>ANTELLA ID</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>ANTENNA ID</th>
<th>Frequency Range MHz</th>
<th>Power Level dBW</th>
<th>Modulation</th>
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<tr>
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<td>1670 N Hwy 33, Teton, Driggs, ID</td>
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<td>111° 6' 51.20&quot; W</td>
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<td>50400.0000 - 51400.0000 MHz</td>
<td>72.00 dBW</td>
<td>M-ary PSK outroute</td>
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<tr>
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<td></td>
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<td>47200.0000 - 50200.0000 MHz</td>
<td>72.00 dBW</td>
<td>M-ary PSK outroute</td>
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<td></td>
<td>40000.0000 - 42000.0000 MHz</td>
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<td>M-ary PSK inroute</td>
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<td></td>
<td>28100.0000 - 29100.0000 MHz</td>
<td>73.00 dBW</td>
<td>M-ary PSK outroute</td>
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<td>27500.0000 - 28000.0000 MHz</td>
<td>73.00 dBW</td>
<td>M-ary PSK outroute</td>
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**Points of Communication:**

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

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<tr>
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<th>SITE ID</th>
<th>LOCATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>ANTENNA ID</th>
<th>Frequency Range MHz</th>
<th>Power Level dBW</th>
<th>Modulation</th>
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<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1003 East State Farm Rd, Lincoln, North Platte, NE</td>
<td>41° 5' 26.80&quot; N</td>
<td>100° 45' 10.40&quot; W</td>
<td>10 meters</td>
<td>50400.0000 - 51400.0000 MHz</td>
<td>72.70 dBW</td>
<td>M-ary PSK outroute</td>
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<td></td>
<td>27500.0000 - 28000.0000 MHz</td>
<td>73.00 dBW</td>
<td>M-ary PSK outroute</td>
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</table>
Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

**SES—AMD—20190221—00294**  E  E170155  HNS License Sub, LLC

**Amendment**

**Grant of Authority**

**Date Effective:** 03/05/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 10215 W Emerald Street, Ada, Boise, ID

43 ° 36’ 27.50” N LAT.

116 ° 18’ 33.80” W LONG.

**ANTENNA ID:** 1

9.2 meters

**General Dynamics**

9.2 meter

50400.0000 - 51400.0000 MHz  470MG7W  72.00 dBW  M-ary PSK outroute

47200.0000 - 50200.0000 MHz  470MG7W  72.00 dBW  M-ary PSK outroute

40000.0000 - 42000.0000 MHz  470MG7W  -99.00 dBW  M-ary PSK inroute

28100.0000 - 29100.0000 MHz  470MG7W  73.00 dBW  M-ary PSK outroute

27500.0000 - 28000.0000 MHz  470MG7W  73.00 dBW  M-ary PSK outroute

Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

**SES—AMD—20190221—00295**  E  E170159  HNS License Sub, LLC

**Amendment**

**Grant of Authority**

**Date Effective:** 03/05/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 201 Camino de la Merced, Taos, Taos, NM

36 ° 23’ 16.00” N LAT.

105 ° 35’ 16.50” W LONG.

**ANTENNA ID:** 1

10 meters

**SED**

10.0M

50400.0000 - 51400.0000 MHz  470MG7W  72.70 dBW  M-ary PSK outroute

47200.0000 - 50200.0000 MHz  470MG7W  72.70 dBW  M-ary PSK outroute

40000.0000 - 42000.0000 MHz  470MG7W  -99.00 dBW  M-ary PSK inroute

28100.0000 - 29100.0000 MHz  470MG7W  73.70 dBW  M-ary PSK outroute
Points of Communication:

1 - ECHOSTAR XXIV (S3017) - (95.2 W.L.)

SES-AMD-20190221-00296  E170164  HNS License Sub, LLC
Amendment
Grant of Authority  Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

Site ID: 1
Location: 530 EchoStar Drive, Laramie, Cheyenne, WY
41° 7' 54.50" N LAT. 104° 44' 15.20" W LONG.

Antenna ID: 1
10 meters  SED 10.0 METER

47200.0000 - 50200.0000 MHz  47MG7W  72.70 dBW  M-ary PSK outroute
40000.0000 - 42000.0000 MHz  47MG7W  -99.00 dBW  M-ary PSK inroute
28100.0000 - 29100.0000 MHz  47MG7W  73.70 dBW  M-ary PSK outroute
27500.0000 - 28000.0000 MHz  47MG7W  73.70 dBW  M-ary PSK outroute

Points of Communication:

1 - ECHOSTAR XXIV (S3017) - (95.2 W.L.)

SES-AMD-20190221-00297  E170162  HNS License Sub, LLC
Amendment
Grant of Authority  Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

Site ID: 1
Location: 1135 East Pennsylvania St, Pima, Tucson, AZ
32° 10' 20.40" N LAT. 110° 57' 17.50" W LONG.

Antenna ID: 1
10 meters  SED 10.0M

50400.0000 - 51400.0000 MHz  47MG7W  72.70 dBW  M-ary PSK outroute
47200.0000 - 50200.0000 MHz  47MG7W  72.70 dBW  M-ary PSK outroute
40000.0000 - 42000.0000 MHz  47MG7W  -99.00 dBW  M-ary PSK inroute
73.70 dBW  M-ary PSK outroute
28100.0000 - 29100.0000 MHz  470MG7W  73.70 dBW  M-ary PSK outroute
27500.0000 - 28000.0000 MHz  470MG7W  73.70 dBW  M-ary PSK outroute

Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

SES-AMD-20190221-00298  E170153  HNS License Sub, LLC
Amendment
Grant of Authority  Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2200 M St NW, Grant, Quincy, WA
31°47'43.40" N LAT. 119°48'58.70" W LONG.

ANTENNA ID: 1  10 meters  SED  10.0M
50400.0000 - 51400.0000 MHz  470MG7W  72.70 dBW  M-ary PSK outroute
47200.0000 - 50200.0000 MHz  470MG7W  72.70 dBW  M-ary PSK outroute
40000.0000 - 42000.0000 MHz  470MG7W  -99.00 dBW  M-ary PSK inroute
28100.0000 - 29100.0000 MHz  470MG7W  73.70 dBW  M-ary PSK outroute
27500.0000 - 28000.0000 MHz  470MG7W  73.70 dBW  M-ary PSK outroute

Points of Communication:

1 - OTHER -

SES-AMD-20190221-00303  E170156  HNS License Sub, LLC
Amendment
Grant of Authority  Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1677 E Butler Ave, Coconino, Flagstaff, AZ
35°11'25.90" N LAT. 111°37'55.80" W LONG.

ANTENNA ID: 1  9.2 meters  GENERAL DYNAMICS  9.2 meter
50400.0000 - 51400.0000 MHz  470MG7W  72.00 dBW  M-ary PSK outroute
47200.0000 - 50200.0000 MHz  470MG7W  72.00 dBW  M-ary PSK outroute
<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Modulation</th>
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<tbody>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>-99.00 dBW</td>
<td>M-ary PSK inroute</td>
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<tr>
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<td>73.00 dBW</td>
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<td>27500.0000 - 28000.0000 MHz</td>
<td>73.00 dBW</td>
<td>M-ary PSK outroute</td>
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**Points of Communication:**

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

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<td>HNS License Sub, LLC</td>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 333 S 520 W., Utah, Lindon, UT

40 ° 19’ 58.10 “ N LAT. 111 ° 43’ 50.20 “ W LONG.

**ANTENNA ID:** 9.2 meter

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Modulation</th>
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</thead>
<tbody>
<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>72.00 dBW</td>
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<td>27500.0000 - 28000.0000 MHz</td>
<td>73.00 dBW</td>
<td>M-ary PSK outroute</td>
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**Points of Communication:**

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

<table>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1030 Central Ave, Yellowstone, Billings, MT

45 ° 46’ 7.30 “ N LAT. 108 ° 32’ 29.00 “ W LONG.

**ANTENNA ID:** 10.0M

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<thead>
<tr>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Modulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>72.70 dBW</td>
<td>M-ary PSK outroute</td>
</tr>
</tbody>
</table>
Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

SES-AMD-20191129-01548  E  E190724  SpaceX Services, Inc.

Amendment

Grant of Authority

Date Effective:  03/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1020 Methodist Road, Mercer, Greenville, PA

41° 26’ 0.80” N LAT.  80° 19’ 59.60” W LONG.

ANTENNA ID: 1  1.47 meters  SpaceX  1.47M

29500.0000 - 30000.0000 MHz  480MD7W  60.50 dBW  BPSK up to 64QAM; Digital Data

27500.0000 - 29100.0000 MHz  480MD7W  60.50 dBW  BPSK up to 64QAM; Digital Data

18800.0000 - 19300.0000 MHz  480MD7W  0.00 dBW  BPSK up to 64QAM; Digital Data

17800.0000 - 18600.0000 MHz  480MD7W  0.00 dBW  BPSK up to 64QAM; Digital Data

Points of Communication:

1 - SPACEX (S2983/3018) - (NGSO)

SES-ASG-20200109-00024  E  E070130  Fox Television Stations, LLC

Application for Consent to Assignment

Grant of Authority

Date Effective:  03/09/2020

Current Licensee: Fox Television Stations, LLC

FROM:  FOX TELEVISION STATIONS, LLC

TO:  Disney Streaming Services LLC

No. of Station(s) listed: 3
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<tr>
<th>Application ID</th>
<th>Application Type</th>
<th>Current Licensee</th>
<th>FROM</th>
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<tr>
<td>SES-ASG-20200129-00081</td>
<td>Application for Consent to Assignment</td>
<td>Bright House Networks, LLC</td>
<td>Charter Communications Operating, LLC</td>
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<td>SES-ASG-20200203-00025</td>
<td>Application for Consent to Assignment</td>
<td>Charter Communications Operating, LLC</td>
<td>Spectrum Northeast, LLC</td>
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<td>SES-ASG-20200210-000144</td>
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<td>Trinity Christian Center of Santa Ana, Inc.</td>
<td>TRINITY BROADCASTING NETWORK</td>
<td>Sonshine Family Television Corp.</td>
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<td>Leighton Enterprises, Inc.</td>
<td>LEIGHTON ENTERPRISES, INC</td>
<td>Leighton Radio Holdings, Inc.</td>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 2200 M St NW, Grant, Quincy, WA

47 ° 14 ' 43.40 " N LAT. 119 ° 48 ' 58.70 " W LONG.

**ANTENNA ID:** 1

<table>
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<th>FREQUENCY</th>
<th>SED</th>
<th>POWER</th>
<th>MODULATION</th>
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<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
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<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>470MG7W</td>
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<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>470MG7W</td>
<td>-99.00 dBW</td>
<td>M-ary PSK inroute</td>
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<td>47200.0000 - 50200.0000 MHz</td>
<td>470MG7W</td>
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</table>
### Points of Communication:

**1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)**

<table>
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<tr>
<th>Application for Authority</th>
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<th>Date Effective:</th>
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<td>03/05/2020 - 03/05/2035</td>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1 Aerojet Way, Clark, North Las Vegas, NV

36 ° 14 ' 11.80 " N LAT. 115 ° 7 ' 5.50 " W LONG.

**ANTENNA ID:** 1

9.2 meters  General Dynamics  9.2 meter

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<tr>
<th>Frequency Range</th>
<th>Gain (dBW)</th>
<th>Mode</th>
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<td>27500.0000 - 28000.0000 MHz</td>
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<td>M-ary PSK outroute</td>
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### Points of Communication:

**1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)**

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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 10215 W Emerald Street, Ada, Boise, ID

43 ° 36 ' 27.50 " N LAT. 116 ° 18 ' 33.80 " W LONG.

**ANTENNA ID:** 1

9.2 meters  General Dynamics  9.2 meter

<table>
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<tr>
<th>Frequency Range</th>
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<td>-99.00</td>
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### Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

<table>
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<th>Class of Station</th>
<th>Nature of Service</th>
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<td>1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
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</table>

**SITE ID:** 1

**LOCATION:** 1677 E Butler Ave, Coconino, Flagstaff, AZ  
35° 11' 25.90" N LAT.  
111° 37' 55.80" W LONG.

**ANTENNA ID:** 1  
9.2 meters  
General Dynamics  
9.2 meter  
27500.0000 - 28000.0000 MHz  
470MG7W  
73.00 dBW  
M-ary PSK outroute  
28100.0000 - 29100.0000 MHz  
470MG7W  
73.00 dBW  
M-ary PSK outroute  
40000.0000 - 42000.0000 MHz  
470MG7W  
-99.00 dBW  
M-ary PSK inroute  
47200.0000 - 50200.0000 MHz  
470MG7W  
72.00 dBW  
M-ary PSK outroute  
50400.0000 - 51400.0000 MHz  
470MG7W  
72.00 dBW  
M-ary PSK outroute

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### Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

<table>
<thead>
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<th>Points of Communication</th>
<th>Class of Station</th>
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<td>1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

**SITE ID:** 1

**LOCATION:** 1030 Central Ave, Yellowstone, Billings, MT  
45° 46' 7.30" N LAT.  
108° 32' 29.00" W LONG.

**ANTENNA ID:** 1  
10 meters  
sed  
10.0M  
27500.0000 - 28000.0000 MHz  
470MG7W  
73.70 dBW  
M-ary PSK outroute  
28100.0000 - 29100.0000 MHz  
470MG7W  
73.70 dBW  
M-ary PSK outroute
40000.0000 - 42000.0000 MHz  470MG7W  -99.00 dBW  M-ary PSK inroute
47200.0000 - 50200.0000 MHz  470MG7W  72.70 dBW  M-ary PSK outroute
50400.0000 - 51400.0000 MHz  470MG7W  72.70 dBW  M-ary PSK outroute

Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

SES-LIC-20170807-00884  E170159  HNS License Sub, LLC
Application for Authority
Grant of Authority 03/05/2020 - 03/05/2035
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 201 Camino de la Merced, Taos, Taos, NM
36 ° 23 ' 16.00 " N LAT.  105 ° 35 ' 16.50 " W LONG.

ANTENNA ID: 1
10 meters  SED  10.0M
27500.0000 - 28000.0000 MHz  470MG7W  73.70 dBW  M-ary PSK outroute
28100.0000 - 29100.0000 MHz  470MG7W  73.70 dBW  M-ary PSK outroute
40000.0000 - 42000.0000 MHz  470MG7W  -99.00 dBW  M-ary PSK inroute
47200.0000 - 50200.0000 MHz  470MG7W  72.70 dBW  M-ary PSK outroute
50400.0000 - 51400.0000 MHz  470MG7W  72.70 dBW  M-ary PSK outroute

Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

SES-LIC-20170807-00885  E170160  HNS License Sub, LLC
Application for Authority
Grant of Authority 03/05/2020 - 03/05/2035
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1 Superloop Circle Suite 3, Storey, McCarren, NV
39 ° 30 ' 53.00 " N LAT.  119 ° 28 ' 46.00 " W LONG.

ANTENNA ID: 1
9.2 meters  General Dynamics  9.2 meter
27500.0000 - 28000.0000 MHz  470MG7W  73.00 dBW  M-ary PSK outroute
<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Eirp (dBW)</th>
<th>Modulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>73.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>-99.00 dbW</td>
<td>M-ary PSK inroute</td>
</tr>
<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>72.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>72.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

**SES-LIC-20170807-00886**

<table>
<thead>
<tr>
<th>Application for Authority</th>
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<td>E170161</td>
<td>03/05/2020 - 03/05/2035</td>
</tr>
</tbody>
</table>

**Grant of Authority**

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1670 N Hwy 33, Teton, Driggs, ID
34°44'53.70" N LAT.
111°6'51.20" W LONG.

**ANTENNA ID:** 1

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Eirp (dBW)</th>
<th>Modulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>73.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>73.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>-99.00 dbW</td>
<td>M-ary PSK inroute</td>
</tr>
<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>72.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>72.00 dbW</td>
<td>M-ary PSK outroute</td>
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</table>

**Points of Communication:**

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

**SES-LIC-20170807-00887**

<table>
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<tr>
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<tbody>
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<td>03/05/2020 - 03/05/2035</td>
</tr>
</tbody>
</table>

**Grant of Authority**

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1135 East Pennsylvania St, Pima, Tucson, AZ
32°10'20.40" N LAT.
110°57'17.50" W LONG.

**ANTENNA ID:** 1

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Eirp (dBW)</th>
<th>Modulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>73.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>73.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>-99.00 dbW</td>
<td>M-ary PSK inroute</td>
</tr>
<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>72.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>72.00 dbW</td>
<td>M-ary PSK outroute</td>
</tr>
</tbody>
</table>
### Points of Communication:

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power</th>
<th>Modulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
</tr>
<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
</tr>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>470MG7W</td>
<td>-99.00 dBW</td>
</tr>
<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>470MG7W</td>
<td>72.70 dBW</td>
</tr>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>470MG7W</td>
<td>72.70 dBW</td>
</tr>
</tbody>
</table>

#### Class of Station:
Fixed Earth Stations

#### Nature of Service:
Fixed Satellite Service

#### SITE ID: 1

**LOCATION:** 530 EchoStar Drive, Laramie, Cheyenne, WY

41° 7’ 54.50” N LAT. 104° 44’ 15.20” W LONG.

**ANTENNA ID:** 10.0 METER

#### Points of Communication:

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power</th>
<th>Modulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
</tr>
<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
</tr>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>470MG7W</td>
<td>-99.00 dBW</td>
</tr>
<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>470MG7W</td>
<td>72.70 dBW</td>
</tr>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>470MG7W</td>
<td>72.70 dBW</td>
</tr>
</tbody>
</table>

#### Class of Station:
Fixed Earth Stations

#### Nature of Service:
Fixed Satellite Service

#### SITE ID: 1

**LOCATION:** 333 S 520 W, Utah, Lindon, UT

40° 19’ 58.10” N LAT. 111° 43’ 50.20” W LONG.
ANTENNA ID: 1 9.2 meters General Dynamics 9.2 meter

27500.0000 - 28000.0000 MHz 470MG7W 73.70 dBW M-ary PSK outroute
28100.0000 - 29100.0000 MHz 470MG7W 73.70 dBW M-ary PSK outroute
40000.0000 - 42000.0000 MHz 470MG7W -99.00 dBW M-ary PSK inroute
47200.0000 - 50200.0000 MHz 470MG7W 72.00 dBW M-ary PSK outroute
50400.0000 - 51400.0000 MHz 470MG7W 72.00 dBW M-ary PSK outroute

Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

SES-LIC-20170807-00892 E E170167 HNS License Sub, LLC 03/05/2020 - 03/05/2035
Application for Authority Grant of Authority Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 575 South Madison Ave, Yuma, Yuma, AZ
32 ° 43 ' 0.00 " N LAT. 114 ° 37 ' 8.00 " W LONG.

ANTENNA ID: 1 9.2 meters General Dynamics 9.2 meter

27500.0000 - 28000.0000 MHz 470MG7W 73.00 dBW M-ary PSK outroute
28100.0000 - 29100.0000 MHz 470MG7W 73.00 dBW M-ary PSK outroute
40000.0000 - 42000.0000 MHz 470MG7W -99.00 dBW M-ary PSK inroute
47200.0000 - 50200.0000 MHz 470MG7W 72.00 dBW M-ary PSK outroute
50400.0000 - 51400.0000 MHz 470MG7W 72.00 dBW M-ary PSK outroute

Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

SES-LIC-20170807-00895 E E170170 HNS License Sub, LLC 03/05/2020 - 03/05/2035
Application for Authority Grant of Authority Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Page 15 of 66
SITE ID: 1
LOCATION: 1003 East State Farm Rd, Lincoln, North Platte, NE
41° 5' 26.80" N LAT. 100° 45' 10.40" W LONG.

ANTENNA ID: 1 10 meters SED 10.0 METER

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>470MG7W</td>
<td>0.00 dBW</td>
<td>M-ary PSK inroute</td>
</tr>
<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>470MG7W</td>
<td>72.70 dBW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>470MG7W</td>
<td>72.70 dBW</td>
<td>M-ary PSK outroute</td>
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Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

SES-LIC-20190906-01170 E190724 SpaceX Services, Inc.
Application for Authority 03/04/2020 - 03/04/2035
Grant of Authority Date Effective: 03/04/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1003 East State Farm Rd, Lincoln, North Platte, NE
41° 5' 26.80" N LAT. 100° 45' 10.40" W LONG.

ANTENNA ID: 1 10 meters SED 10.0 METER

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>470MG7W</td>
<td>73.70 dBW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>470MG7W</td>
<td>0.00 dBW</td>
<td>M-ary PSK inroute</td>
</tr>
<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>470MG7W</td>
<td>72.70 dBW</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>470MG7W</td>
<td>72.70 dBW</td>
<td>M-ary PSK outroute</td>
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</tbody>
</table>

Points of Communication:

1 - ECHOSTAR XXIV(S3017) - (95.2 W.L.)

SES-LIC-20190906-01170 E190724 SpaceX Services, Inc.
Application for Authority 03/04/2020 - 03/04/2035
Grant of Authority Date Effective: 03/04/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1020 Methodist Road, Mercer, Greenville, PA
41° 26' 0.80" N LAT. 80° 19' 59.60" W LONG.

ANTENNA ID: 1 1.47 meters SpaceX 1.47M

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>17800.0000 - 18600.0000 MHz</td>
<td>480MD7W</td>
<td>0.00 dBW</td>
<td>BPSK up to 64QAM; Digital Data</td>
</tr>
<tr>
<td>18800.0000 - 19300.0000 MHz</td>
<td>480MD7W</td>
<td>0.00 dBW</td>
<td>BPSK up to 64QAM; Digital Data</td>
</tr>
<tr>
<td>27500.0000 - 29100.0000 MHz</td>
<td>480MD7W</td>
<td>60.50 dBW</td>
<td>BPSK up to 64QAM; Digital Data</td>
</tr>
<tr>
<td>29500.0000 - 30000.0000 MHz</td>
<td>480MD7W</td>
<td>60.50 dBW</td>
<td>BPSK up to 64QAM; Digital Data</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - SPACEX (S2983/3018) - (NGSO)

SES-MOD-20180706-01997 E070216 Comcast of California/Maryland/Pennsylvania/Virginia/West Virginia, LLC
Application for Modification 08/31/2007 - 08/31/2022
Grant of Authority Date Effective: 03/04/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
## Points of Communication:

**1 - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>SES-REG-20181004-04823</th>
<th>E191194</th>
<th>Asociacion Evangelistica Cristo Viene</th>
<th>10/02/2018 - 10/02/2033</th>
<th>Date Effective: 03/04/2020</th>
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<tbody>
<tr>
<td>Registration</td>
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<tr>
<td>Grant of Authority</td>
<td></td>
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<tr>
<td>Class of Station:</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
<td>Fixed Satellite Service</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SITE ID:** 1  
**LOCATION:** SR 185 KM 9.2, Cubuy Sector Anoranzas, Canovanas, PR  
18°28'31.12" N LAT. 66°51'58.37" W LONG.

<table>
<thead>
<tr>
<th>ANTEENA ID:</th>
<th>ANTI</th>
<th>3.7 meters</th>
<th>Prodelin</th>
<th>Series 1374</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital Video Carrier</td>
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**Points of Communication:**

**1 - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>SES-REG-20181008-04965</th>
<th>E191341</th>
<th>Northland Cable Television, Inc.</th>
<th>10/08/2018 - 10/08/2033</th>
<th>Date Effective: 03/04/2020</th>
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<tr>
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<td>Grant of Authority</td>
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<tr>
<td>Class of Station:</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
<td>Fixed Satellite Service</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SITE ID: 1
LOCATION: 1101 Mission Hills Drive (NCTV), Burnet, Marble Falls, TX
LAT. 30° 34' 57.40" N, LONG. 98° 16' 26.90" W.

ANTENNA ID: Antenna 1 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 2 5 meters ANIXTER UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 3 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 5 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 4 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 6 3.8 meters COMTECK UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 7 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 8 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 9 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

ANTENNA ID: Antenna 10 3.8 meters PATRIOT UNKNOWN
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO PROGRAMMING

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181008–04968 E191344 Univision Local Media, Inc.
Registration
Grant of Authority
Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations

Page 18 of 66
Nature of Service: Fixed Satellite Service

SITE ID: Avalon
LOCATION: 226 Avalon Blvd, Cape May, Middle Township, NJ
39° 7’ 28.40” N LAT. 74° 45’ 54.60” W LONG.

ANTENNA ID: 1 3 meters Unknown Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video, Audio, and Data

Points of Communication:

Avalon - PERMITTED LIST - ()

SES-REG-20181008-04973 E E191349 TELEMUNDO OF PUERTO RICO LLC
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 383 FD Roosevelt Ave (SanJuan2), San Juan, San Juan, PR
18° 25’ 19.10” N LAT. 66° 4’ 8.56” W LONG.

ANTENNA ID: WKAQ-2 7.3 meters Orbitron 7.3 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

ANTENNA ID: WKAQ-3 5 meters DH Satellite 50DH8
3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181008-04976 E E191352 RUNNYMEDE INC.
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio
LOCATION: 1000 N. 40th Street, Licking, Newark, OH
40° 3’ 3.60” N LAT. 82° 28’ 4.50” W LONG.

ANTENNA ID: Main 3.7 meters DH Antenna 3.7M
<table>
<thead>
<tr>
<th>Points of Communication:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Studio - PERMITTED LIST - ()</td>
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**SES−REG−20181008−04978**

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<tr>
<th>Registration</th>
<th>UniMas Orlando, Inc.</th>
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<tbody>
<tr>
<td>Date Effective</td>
<td>03/06/2020</td>
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</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** WVEN

**LOCATION:** 3010 Dill Rd., Orange, Bithlo, FL

28°35'12.60" N LAT. 81°4'57.47" W LONG.

**ANTENNA ID:** 1

**3.8 meters**

Comtech 3.8 Meter Ei/Az

<table>
<thead>
<tr>
<th>3700.0000 - 4200.0000 MHz</th>
<th>36M0G7W</th>
<th>0.00 dBW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Audio Signals</td>
<td></td>
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**Points of Communication:**

WVEN - PERMITTED LIST - ()

**SES−REG−20181008−04979**

<table>
<thead>
<tr>
<th>Registration</th>
<th>R.M.Greene,Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Effective</td>
<td>03/06/2020</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Site 1

**LOCATION:** 2400 Sportsman Dr, Russell, Phenix City, AL

32°28′14.26″ N LAT. 85°1′32.44″ W LONG.

**ANTENNA ID:** Ant 1

**4.5 meters**

Scientific Atlanta TVR0-4.5

<table>
<thead>
<tr>
<th>3700.0000 - 4200.0000 MHz</th>
<th>30M0G7W</th>
<th>0.00 dBW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modulation and Services Digital Video</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

**SES−REG−20181008−04980**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Univision Philadelphia LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Effective</td>
<td>03/05/2020</td>
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</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LOCATION DETAILS</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1</td>
<td>Rt. 9 a/k/a Bokum Rd., Middlesex, Old Saybrook, CT</td>
<td>41° 19' 38.00&quot; N</td>
<td>72° 23' 20.00&quot; W</td>
<td></td>
</tr>
<tr>
<td>Site 1</td>
<td>624 Sam Phillips Rd, Lauderdale, Florence, AL</td>
<td>34° 47' 50.30&quot; N</td>
<td>87° 39' 54.10&quot; W</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>SIZE</th>
<th>ANTENNA TYPE</th>
<th>FREQUENCY RANGE</th>
<th>POWER LEVEL</th>
<th>SERVICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTI</td>
<td>3.5</td>
<td>PRIMESAT</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>DIGITAL AUDIO</td>
</tr>
<tr>
<td>ANTI</td>
<td>2.8</td>
<td>Scientific Atlanta</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
</tbody>
</table>

**Points of Communication:**

Site 1 - PERMITTED LIST - ()
Grant of Authority: 10/08/2018 - 10/08/2033
Date Effective: 03/04/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3222 S. Richey Ave (KVOI Studios), Pima, Tucson, AZ
32° 11' 12.79" N LAT. 110° 55' 1.10" W LONG.

ANTENNA ID: AMC 18  3.8 meters  Patriot
PRT-380

3700.0000 - 4200.0000 MHz  36M0G7W Digital Audio and video Signals

Points of Communication:
1 - PERMITTED LIST - ()

Grant of Authority: 10/08/2018 - 10/08/2033
Date Effective: 03/04/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Himes Drive (Morgan Meadows), Marquette, Marquette, MI
46° 30' 51.70" N LAT. 87° 28' 39.90" W LONG.

ANTENNA ID: 1  3.8 meters  Comtech
3.8M

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

Points of Communication:
1 - PERMITTED LIST - ()

Grant of Authority: 10/08/2018 - 10/08/2033
Date Effective: 03/06/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: Studio
LOCATION: 6600 W Hwy 60, Kay, PONCA CITY, OK
36° 41' 25.00" N LAT. 97° 10' 21.10" W LONG.

ANTENNA ID: ANT1  4.5 meters  American Antennas, INC
TVRO-4.5 Digital Audio and video Signals

Page 22 of 66
<table>
<thead>
<tr>
<th>Points of Communication:</th>
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</thead>
<tbody>
<tr>
<td>Studio - PERMITTED LIST - ()</td>
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<table>
<thead>
<tr>
<th>Grant of Authority</th>
<th>Date Effective</th>
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</thead>
<tbody>
<tr>
<td>10/08/2018 - 10/08/2033</td>
<td>03/06/2020</td>
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<table>
<thead>
<tr>
<th>Class of Station:</th>
<th>Fixed Earth Stations</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Nature of Service:</th>
<th>Fixed Satellite Service</th>
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</table>

<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>KPBS Studio</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>LOCATION:</th>
<th>5200 Campanile Drive (KPBS-TV/FM), San Diego, San Diego, CA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>LAT.</th>
<th>LONG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 ° 46 ’ 19.10 “</td>
<td>117 ° 4 ’ 24.30 “</td>
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<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>Dish 3</th>
<th>3.8 meters</th>
<th>Comtech</th>
<th>3.8 meter</th>
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</table>

<table>
<thead>
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<th>Points of Communication:</th>
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</thead>
<tbody>
<tr>
<td>KPBS Studio - PERMITTED LIST - ()</td>
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</table>

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
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<tbody>
<tr>
<td>SES-REG-20181009-05004</td>
<td>E191380</td>
<td>Boycom Cablevision, Inc.</td>
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<tr>
<td>10/09/2018 - 10/09/2033</td>
<td>03/04/2020</td>
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<table>
<thead>
<tr>
<th>Class of Station:</th>
<th>Fixed Earth Stations</th>
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</thead>
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<table>
<thead>
<tr>
<th>Nature of Service:</th>
<th>Fixed Satellite Service</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>Wappapello</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>LOCATION:</th>
<th>CORD 517, Wayne, Wappapello, MO</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>LAT.</th>
<th>LONG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>36 ° 55 ’ 29.15 “</td>
<td>90 ° 15 ’ 55.66 “</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>3.7M</th>
<th>3.7 meters</th>
<th>DH</th>
<th>3.7 Meter</th>
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<thead>
<tr>
<th>Points of Communication:</th>
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</thead>
<tbody>
<tr>
<td>DH 3.7M - 2</td>
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</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>3.7M-2</th>
<th>3.7 meters</th>
<th>DH</th>
<th>3.7 Meter</th>
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<tr>
<th>Points of Communication:</th>
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</thead>
<tbody>
<tr>
<td>DH 3.7M - 3</td>
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</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>3.7M-3</th>
<th>3.7 meters</th>
<th>DH</th>
<th>3.7 Meter</th>
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<th>Points of Communication:</th>
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<tbody>
<tr>
<td>DH 3.7M - 4</td>
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<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>3.7M-4</th>
<th>3.7 meters</th>
<th>DH</th>
<th>3.7 Meter</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Points of Communication:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DH 3.7M</td>
</tr>
</tbody>
</table>

3700.0000 - 4200.0000 MHz | 30M0G7W | 0.00 dBW | E50 |
Antenna ID: 3.7M-5
3.7 meters DH
3.7 Meter
3700.0000 - 4200.0000 MHz 36M0G7D 0.00 dBW Video

Antenna ID: 3.7M-6
3.7 meters DH
3.7 Meter
3700.0000 - 4200.0000 MHz 36M0G7D 0.00 dBW Video

Points of Communication:

Wappapello - PERMITTED LIST - ()

SES-REG-20181009-05030 E191408 Great Plains Media, Inc.
Registration Grant of Authority
Date Effective: 03/05/2020
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Site ID: STUDIO
Location: 3125 West 6th Street, DOUGLAS, LAWRENCE, KS
38 ° 58 ' 14.30 " N LAT. 95 ° 16 ' 36.00 " W LONG.

Antenna ID: ANTI
3.7 meters DAWNCO D37F48
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW DIGITAL VIDEO AND AUDIO SUBCARRIERS

Points of Communication:

STUDIO - PERMITTED LIST - ()

SES-REG-20181009-05032 E191410 DISH Broadcasting Corporation
Registration Grant of Authority
Date Effective: 03/03/2020
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Site ID: 1
Location: 530 Echostar Drive, Laramie, Cheyenne, WY
41 ° 7 ' 56.00 " N LAT. 104 ° 44 ' 10.50 " W LONG.

Antenna ID: 1
7 meters Comsat RSI 700-70TCK
3700.0000 - 4200.0000 MHz 36M0G7F Digital TV

Antenna ID: 2
6.1 meters Vertex 6.1 M KPC
3700.0000 - 4200.0000 MHz 36M0G7F Digital TV

Antenna ID: 3
6.1 meters Vertex 6.1 M/KPC/KU
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Antenna Type</th>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Notes</th>
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<tbody>
<tr>
<td>4</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M/KPC/KU</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M KPC</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M KPC</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M KPC</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M/KPC/KU</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M/KPC/KU</td>
<td></td>
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<tr>
<td>10</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M/KPC/KU</td>
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<tr>
<td>11</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M/KPC/KU</td>
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</tr>
<tr>
<td>12</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1 M KPC</td>
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<td>13</td>
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<td>6.1 M KPC</td>
<td></td>
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<tr>
<td>14</td>
<td>Scientific Atlantic</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>8010</td>
<td></td>
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<tr>
<td>15</td>
<td>DH Antenna</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>5 Meter</td>
<td></td>
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<tr>
<td>16</td>
<td>DH Antenna</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>5 Meter</td>
<td></td>
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<tr>
<td>Frequency Range</td>
<td>Antenna ID</td>
<td>Type</td>
<td>Power (meters)</td>
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<tr>
<td>-----------------</td>
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<td>---------------</td>
<td>------------</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>Digital TV</td>
<td>17</td>
<td>5 meters</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>Digital TV</td>
<td>18</td>
<td>5 meters</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>Digital TV</td>
<td>19</td>
<td>5 meters</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>Digital TV</td>
<td>20</td>
<td>4.2 meters</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>Digital TV</td>
<td>21</td>
<td>4.2 meters</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>Digital TV</td>
<td>22</td>
<td>4.2 meters</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>Digital TV</td>
<td>23</td>
<td>4.2 meters</td>
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**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-REG-20181009-05048**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Alpha 3E Licensee LLC</th>
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<tbody>
<tr>
<td>Grant of Authority</td>
<td>10/09/2018 - 10/09/2033</td>
</tr>
<tr>
<td>Date Effective</td>
<td>03/03/2020</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1807 Lee Blvd, Blue Earth, Mankato, MN

44° 10' 22.49" N LAT. | 94° 2' 20.83" W LONG.

**Antenna ID:** 1

3.8 meters | Comtech | 3.8

**Points of Communication:**

Network programming

Page 26 of 66
<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>DVB-S2/AVC Video Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181009-05052</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>6000 N Terminal Pkwy, Clayton, Atlanta, GA</td>
<td>1</td>
<td>305 N Church Street, Morgan, Wartburg, TN</td>
<td>1374</td>
<td>Prodelin</td>
</tr>
<tr>
<td>E191430</td>
<td></td>
<td></td>
<td></td>
<td>33°38'26.00&quot; N LAT. 84°26'37.50&quot; W LONG.</td>
<td></td>
<td>36°6'27.90&quot; N LAT. 84°35'56.04&quot; W LONG.</td>
<td>3.7 meters</td>
<td>36M0G7F</td>
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<tr>
<td>AC Holdings, Inc.</td>
<td></td>
<td></td>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>36M0G7W</td>
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<td>10/09/2018 - 10/09/2033</td>
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<td>DVB-S2/AVC Video Services</td>
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<td>DVB-S2/AVC Video Services</td>
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<td>SES-REG-20181009-05067</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>305 N Church Street, Morgan, Wartburg, TN</td>
<td>1</td>
<td>3409 Rutherford Road Ext, Greenville, Taylors, SC</td>
<td>1</td>
<td>Patriot</td>
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<td>E191445</td>
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<td>34°54'53.00&quot; N LAT. 82°19'34.00&quot; W LONG.</td>
<td></td>
<td>34°54'53.00&quot; N LAT. 82°19'34.00&quot; W LONG.</td>
<td>3.8 meters</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>Morgan County Broadcasting Co Inc.</td>
<td></td>
<td></td>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>36M0G7W</td>
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<tr>
<td>10/09/2018 - 10/09/2033</td>
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<td></td>
<td></td>
<td>DVB-S2/AVC Video Services</td>
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<td>DVB-S2/AVC Video Services</td>
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<tr>
<td>SES-REG-20181009-05081</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>3409 Rutherford Road Ext, Greenville, Taylors, SC</td>
<td>1</td>
<td>3409 Rutherford Road Ext, Greenville, Taylors, SC</td>
<td>1</td>
<td>Carolina Christian Broadcasting, Inc.</td>
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<td>E191459</td>
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<td>34°54'53.00&quot; N LAT. 82°19'34.00&quot; W LONG.</td>
<td></td>
<td>34°54'53.00&quot; N LAT. 82°19'34.00&quot; W LONG.</td>
<td>3.8 meters</td>
<td>Carolina Christian Broadcasting, Inc.</td>
</tr>
<tr>
<td>Carolina Christian Broadcasting, Inc.</td>
<td></td>
<td></td>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Carolina Christian Broadcasting, Inc.</td>
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ANTENNA ID: unknown

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>E191485</th>
<th>KZIA, INC.</th>
<th>10/09/2018 - 10/09/2033</th>
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<tr>
<td>Grant of Authority</td>
<td></td>
<td></td>
<td>Date Effective: 03/10/2020</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1110 26th Avenue SW, Linn, Cedar Rapids, IA
41° 57’ 11.88” N LAT. 91° 41’ 8.20” W LONG.

ANTENNA ID: 36M0G7W

3700.0000 - 4200.0000 MHz
3.2 meters Scientific Atlanta 9000

Digital Video and Audio Services

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>E191505</th>
<th>Legacy Communications, LLC</th>
<th>10/09/2018 - 10/09/2033</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td></td>
<td></td>
<td>Date Effective: 03/06/2020</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 613 4th Avenue (KUVR Studio), Phelps, Holdrege, NE
40° 26’ 17.90” N LAT. 99° 22’ 19.50” W LONG.

ANTENNA ID: KUVR-1

3.2 meters Scientific Atlanta 9000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video and Audio Services

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Video and Audio Services with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 40 Shoshone Ave, Sweetwater, Green River, WY
41° 30' 30.70" N LAT. 109° 28' 21.30" W LONG.

ANTENNA ID: 1 3 meters Generic Fiberglass

3700.0000 - 4200.0000 MHz 36M0G7W Audio and data

Points of Communication:

Site 1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 44077 Warner Rd, Crawford, Titusville, PA
41° 39' 3.00" N LAT. 79° 40' 24.00" W LONG.

ANTENNA ID: Titusville 3.8 meters Patriot ISO 9001/2000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 205 S. Gear Avenue, Des Moines, West Burlington, IA
40° 49' 29.00" N LAT. 91° 10' 11.00" W LONG.

ANTENNA ID: 1 3.7 meters KTI CKD-12
Points of Communication:

Site 1 - PERMITTED LIST - ()

**SES–REG–20181010–05154**  E191535 Dierking Communications Inc
Registration  10/10/2018 - 10/10/2033
Grant of Authority  Date Effective:  03/06/2020

Class of Station:  Fixed Earth Stations
Nature of Service:  Fixed Satellite Service

SITE ID:  Site 1
LOCATION:  937 Jayhawk Road, Marshall, Marysville, KS
Lat:  39 ° 51 ’ 22.40 ” N
Long:  96 ° 39 ’ 3.70 ” W

ANTENNA ID:  ANT 1  3.5 meters  Parascript  TVRO-3.5

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital audio and control signals</td>
</tr>
</tbody>
</table>

Points of Communication:

Site 1 - PERMITTED LIST - ()

**SES–REG–20181010–05157**  E191538 ROSE FARM AND RENTALS, INC. DBA WIZS RADIO
Registration  10/10/2018 - 10/10/2033
Grant of Authority  Date Effective:  03/06/2020

Class of Station:  Fixed Earth Stations
Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  535 Radio Lane (WIZS Satellite Dish), Vance, Henderson, NC
Lat:  36 ° 20 ’ 14.40 ” N
Long:  78 ° 25 ’ 10.70 ” W

ANTENNA ID:  WIZS Dish  3 meters  Harris  5115

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
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<td>0.00 dBW</td>
<td>Modulation and Services Digital Audio</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Modulation and Services Digital Audio</td>
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Nature of Service: Fixed Satellite Service

SITE ID: RO 3
LOCATION: 3845 Pleasantdale Rd, Dekalb, Atlanta, GA 33° 53' 46.00" N LAT. 84° 14' 22.40" W LONG.
ANTENNA ID: 1 3.7 meters Prodelin 3.7M
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

RO 3 - PERMITTED LIST - ()

SES−REG−20181010−05161 E191542 Digital Networks-Southeast, LLC
Registration Grant of Authority Date Effective: 03/06/2020
10/10/2018 - 10/10/2033

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: WOOT
LOCATION: 1317 Montlake Rd, Hamilton, Soddy Daisy, TN 35° 15' 0.60" N LAT. 85° 13' 10.60" W LONG.
ANTENNA ID: ANT1 3 meters DH 3.0M Az-EL
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

WOOT - PERMITTED LIST - ()

SES−REG−20181010−05162 E191543 BFI Licenses, LLC
Registration Grant of Authority Date Effective: 03/06/2020
10/10/2018 - 10/10/2033

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: RO 5
LOCATION: 250 Harbor Drive, Fairfield, Stamford, CT 41° 2' 2.80" N LAT. 73° 32' 0.00" W LONG.
ANTENNA ID: 1 3 meters Prodelin 3.0m
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

RO 5 - PERMITTED LIST - ()
<table>
<thead>
<tr>
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<th>Nature of Service</th>
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<tr>
<td>E191550 HUNT BROADCASTING</td>
<td>Fixed Earth Stations</td>
<td>03/04/2020</td>
<td>Fixed Satellite Service</td>
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<tr>
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<tbody>
<tr>
<td>Antenna ID: BIG</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
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 Points of Communication:

KIVY OFFICE - PERMITTED LIST - ()

<table>
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<tr>
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<tr>
<td>E191552 BFI Licenses, LLC</td>
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<table>
<thead>
<tr>
<th>Site ID: RO 4</th>
<th>Location: 3845 Pleasantdale Rd, Dekalb, Atlanta, GA</th>
<th>Latitude: 33 ° 53 ’ 49.50 &quot; N</th>
<th>Longitude: 84 ° 14 ’ 24.70 &quot; W</th>
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</thead>
<tbody>
<tr>
<td>Antenna ID: 3.7M</td>
<td>3700.0000 - 4200.0000 MHz</td>
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 Points of Communication:

RO 4 - PERMITTED LIST - ()

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<th>Site ID: Site 1</th>
<th>Location: 17038 KQNK Road, KS, Norton, KS</th>
<th>Latitude: 39 ° 49 ’ 38.80 &quot; N</th>
<th>Longitude: 99 ° 52 ’ 7.70 &quot; W</th>
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<tr>
<td>Antenna ID: TVRO-3.6</td>
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<td>Channel Master</td>
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<td><strong>SES–REG–20181010–05175</strong></td>
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<td>Registration</td>
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<td>Grant of Authority</td>
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<tr>
<td>Class of Station:</td>
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<tr>
<td>Nature of Service:</td>
</tr>
<tr>
<td>SITE ID:</td>
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<tr>
<td>LOCATION:</td>
</tr>
<tr>
<td>37° 18’ 7.00” N LAT.</td>
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<tr>
<td>ANTEenna ID:</td>
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<tr>
<td>3.7 meters</td>
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<tr>
<td>3.7M Az/El</td>
</tr>
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<td>3700.0000 - 4200.0000 MHz</td>
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</table>

Points of Communication:

1 - PERMITTED LIST - ()

| SES–REG–20181010–05176       | E191557 | UniMas Tampa LLC |
| Registration                 | 10/10/2018 - 10/10/2033 |
| Grant of Authority           | Date Effective: 03/04/2020 |
| Class of Station:            | Fixed Earth Stations |
| Nature of Service:           | Fixed Satellite Service |
| SITE ID:                     | 1 |
| LOCATION:                   | 14607 Boyette Road (WEDU Tower), Hillsborough, Riverview, FL |
| 27° 50’ 51.30” N LAT.        | 82° 15’ 50.04” W LONG. |
| ANTEenna ID:                | 1 |
| 3.7 meters                  | DH Satellite |
| 37DH1 (Spunn)               | 36M0G7W |
| 3700.0000 - 4200.0000 MHz   | Digital Video, Audio, and Data |

Points of Communication:

1 - PERMITTED LIST - ()

| Registration                 | 10/10/2018 - 10/10/2033 |
| Grant of Authority           | Date Effective: 03/04/2020 |
| Class of Station:            | Fixed Earth Stations |
| Nature of Service:           | Fixed Satellite Service |
SITE ID: 1
LOCATION: 5706 Old Memory Lane (Emerald Hills), San Diego, San Diego, CA
32 ° 43' 17.80" N LAT. 117 ° 4' 14.90" W LONG.

ANTENNA ID: 1 3.8 meters General Dynamics Series 1385

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video, Audio, and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181010-05194 E191575 Digital Networks-Southeast, LLC
Registration Grant of Authority
10/10/2018 - 10/10/2033 Date Effective: 03/06/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 73 Broadway (WASV), Buncombe, Asheville, NC
35 ° 35' 52.03" N LAT. 82 ° 33' 28.26" W LONG.

ANTENNA ID: ANTI 3 meters DH 3.0M Az-EL

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181010-05199 E191580 BFI Licenses, LLC
Registration Grant of Authority
10/10/2018 - 10/10/2033 Date Effective: 03/04/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: RO 1
LOCATION: 652 Glenbrook Rd, Fairfield, Stamford, CT
41 ° 4' 35.90" N LAT. 73 ° 31' 14.80" W LONG.

ANTENNA ID: 1 3 meters Prodelin 3M

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 2 3.7 meters Prodelin 3.7M

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:
<table>
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<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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</thead>
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<td>10/10/2018 - 10/10/2033</td>
<td>03/06/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>E191597 Ad Venture Media, Inc.</td>
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<td></td>
<td>Site ID: 1</td>
<td>Site ID: 1</td>
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<tr>
<td></td>
<td>LOCATION: 424 Heltonville Road E (438), USA, Bedford, IN</td>
<td></td>
<td>86° 28' 36.40&quot; W LONG.</td>
<td>86° 28' 36.40&quot; W LONG.</td>
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<tr>
<td></td>
<td>LAT: 38° 52' 22.20&quot; N</td>
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<td>ANTEENA ID: 1</td>
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<td>MHz: 3700.0000 - 4200.0000</td>
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<td>2.8 meters</td>
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<tr>
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<td>DIGITAL</td>
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<td>Points of Communication:</td>
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<td></td>
<td>SCN TOC</td>
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<td>SCN TOC - GALAXY 16 (S2687) - (99 W.L.)</td>
<td>SCN TOC - GALAXY 16 (S2687) - (99 W.L.)</td>
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<th>Nature of Service</th>
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<tbody>
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<td>03/04/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>E191667 Shepherd's Chapel</td>
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<td></td>
<td>Site ID: SCN TOC</td>
<td>Site ID: SCN TOC</td>
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<tr>
<td></td>
<td>LOCATION: 102 NE 8th Ave, Benton, Gravette, AR</td>
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<td>94° 26' 42.00&quot; W LONG.</td>
<td>94° 26' 42.00&quot; W LONG.</td>
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<tr>
<td></td>
<td>LAT: 36° 25' 23.00&quot; N</td>
<td></td>
<td>ANTEENA ID: little</td>
<td>ANTEENA ID: little</td>
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<tr>
<td></td>
<td>MHz: 3700.0000 - 4200.0000</td>
<td></td>
<td>2.4 meters</td>
<td>2.4 meters</td>
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<tr>
<td></td>
<td>8ft c-band mesh</td>
<td></td>
<td>Scientific</td>
<td>Scientific</td>
</tr>
<tr>
<td></td>
<td>DIGITAL</td>
<td></td>
<td>Points of Communication:</td>
<td>Points of Communication:</td>
</tr>
<tr>
<td></td>
<td>SCN TOC - PERMITTED LIST - ()</td>
<td></td>
<td>SCN TOC - PERMITTED LIST - ()</td>
<td>SCN TOC - PERMITTED LIST - ()</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181010-05300</td>
<td>10/10/2018 - 10/10/2033</td>
<td>03/04/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td></td>
<td>LOCATION:</td>
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<td>8ft c-band mesh</td>
<td>8ft c-band mesh</td>
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<td>Points of Communication:</td>
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</tr>
<tr>
<td></td>
<td>MHz: 3700.0000 - 4200.0000</td>
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<td>Plymouth Rock Broadcasting Co., Inc.</td>
<td>Plymouth Rock Broadcasting Co., Inc.</td>
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<tr>
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<td>10M0G7W</td>
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<td>Point of Communication:</td>
<td>Point of Communication:</td>
</tr>
</tbody>
</table>

Page 35 of 66
SITE ID: SITE 1
LOCATION: 17 Columbus Road, Plymouth, Plymouth, MA
          41° 58’ 5.64” N LAT. 70° 42’ 1.65” W LONG.
ANTENNA ID: ANT 1 4.7 meters AFC PR-12
            3700.0000 - 4200.0000 MHz 30M0G7W Analog Video with associated subcarriers

Points of Communication:

SITE 1 - PERMITTED LIST - ()

SES–REG–20181010–05301  E200008 Digital Networks-Southeast, LLC
Registration 10/10/2018 - 10/10/2033
Grant of Authority Date Effective: 03/04/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: WNGS
LOCATION: 10 Tower Road, Greenville, Greenville, SC
          34° 56’ 26.00” N LAT. 82° 24’ 40.00” W LONG.
ANTENNA ID: ANT1 3 meters General Dynamics 3.0M Truss Mount
            3700.0000 - 4200.0000 MHz 36M0G7W digital

Points of Communication:

WNGS - PERMITTED LIST - ()

SES–REG–20181010–05447  E200152 BILLINGS BROADCASTING, LLC
Registration 10/10/2018 - 10/10/2033
Grant of Authority Date Effective: 03/06/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 5225
LOCATION: 1600 Radio Hill Road, MO, Boonville
          38° 56’ 46.00” N LAT. 92° 46’ 18.00” W LONG.
ANTENNA ID: 3.8m 3.8 meters Comtech C3.8
            3700.0000 - 4200.0000 MHz 30M0G7W Modulation and Services Analog video with associated subcarriers

Points of Communication:

5225 - SES-11 (S2964) - (104.95 W.L.)
Hernando Broadcasting Company, Inc.  

Fixed Earth Stations  

Fixed Satellite Service  

Site 1 - PERMITTED LIST - ()  

Gray Television Licensee, LLC  

Fixed Earth Stations  

Fixed Satellite Service  

Site 1 - PERMITTED LIST - ()
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1020 Hastings St (NBI TC #1), Grand Traverse, Traverse City, MI
44° 44' 56.90" N LAT. 85° 35' 35.50" W LONG.

ANTENNA ID: ANT1 2.8 meters Scientific Atlanta Series 9000 2.8

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog Audio
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 401 N Hwy 71, Andrew, Savannah, MO
39° 56' 46.81" N LAT. 94° 49' 15.67" W LONG.

ANTENNA ID: Sav-1 4.5 meters Superior Satellite Engineers SSE 8345

3700.0000 - 4200.0000 MHz 36M0G7W Video

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: RICHMOND
LOCATION: 2809 Emerywood Parkway, Henrico, Richmond, VA
37° 36' 31.50" N LAT. 77° 31' 35.52" W LONG.
Points of Communication:

RICHMOND - PERMITTED LIST - ()

SES-REG-20181011-05351 E E200057 Hawaii Pacific Teleport, L.P.
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 03/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 91-340 Farrington Hwy, Honolulu, Kapolei, HI
21°20'8.00" N LAT. 158°5'25.00" W LONG.

ANTENNA ID: 2.4M 2.4 meters Viking 1252-950

3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181011-05352 E E200058 Payne Media Group LLC
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 03/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1600 W Jackson, Choctaw, Hugo, OK
34°1'1.00" N LAT. 95°31'56.00" W LONG.

ANTENNA ID: 3.7M 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181011-05353 E E200059 Urban One, Inc.
Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 03/06/2020

Class of Station: Fixed Earth Stations

Page 39 of 66
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Two Bala Plaza Suite 700, Montgomerwy, Bala Cynwyd, PA
40 ° 0' 25.67" N LAT. 75 ° 13' 0.00" W LONG.

ANTENNA ID: ANT1 3.8 meters Comtech 934D0015-G2
3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

Points of Communication:

1 - PERMITTED LIST - ( )

SES-REG-20181011-05355  E200061 Gray Television Licensee, LLC
Registration Grant of Authority 10/11/2018 - 10/11/2033 Date Effective: 03/06/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1100 Blue Lakes Blvd North (KMVT), Idaho, Twin Falls, ID
42 ° 34' 53.34" N LAT. 114 ° 27' 30.80" W LONG.

ANTENNA ID: KMVT 1 6.1 meters Harris 5346
3700.0000 - 4200.0000 MHz 36M0G7W Digital

ANTENNA ID: KMVT 2 7 meters Scientific Atlanta 8028
3700.0000 - 4200.0000 MHz 36M0G7W Digital

ANTENNA ID: KMVT 3-5 3.8 meters Comtech C38
3700.0000 - 4200.0000 MHz 36M0G7W Digital

ANTENNA ID: KMVT 6 4.6 meters Scientific Atlanta 8346
3700.0000 - 4200.0000 MHz 36M0G7W Digital

ANTENNA ID: KMVT 7 3.8 meters AFC 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W Digital

ANTENNA ID: KMVT 8 4.6 meters Unknown Unknown
3700.0000 - 4200.0000 MHz 36M0G7W Digital

ANTENNA ID: KMVT 9-11 3 meters Unknown Unknown
Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181011–05357**  E  E200063  Chesapeake Television Licensee, LLC
Registration
Grant of Authority
Date Effective: 03/06/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
SITE ID: WBFF Site 2
LOCATION: 2000 West 41st St, Baltimore, Baltimore, MD
39 ° 20' 1.90 " N LAT.  76 ° 38 ' 50.09 " W LONG.

ANTENNA ID:  5  4.5 meters  Andrew Corporation  EAS45-46A
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video and Data

ANTENNA ID:  9  3.8 meters  Prime Focus  DH38FAE
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video and Data

ANTENNA ID:  12  3.1 meters  Patriot  PRT310
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video and Data

ANTENNA ID:  13  3.8 meters  Patriot  PRT380
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video and Data

ANTENNA ID:  14  1.8 meters  Prodelin  PRO1.8
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video and Data

Points of Communication:

WBFF Site 2 - PERMITTED LIST - ()

**SES–REG–20181011–05358**  E  E200064  CALIFORNIA OREGON BROADCASTING, INC.
Registration
Grant of Authority
Date Effective: 03/04/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
SITE ID: KLSR STUDIO
LOCATION: 2940 CHAD DRIVE, LANE, EUGENE, OR
44 ° 5 ' 13.40 " N LAT.  123 ° 3 ' 34.80 " W LONG.
<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>KLSR-ANT1</th>
<th>3.7 meters</th>
<th>M/A-Com Prodelin</th>
<th>136-752-06</th>
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<tr>
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<td>36M0D7W</td>
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<th>M/A-Com Prodelin</th>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0D7W</td>
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<th>Winegard Pinnacle</th>
<th>CK-1088</th>
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<th>UST-410A</th>
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<td>36M0D7W</td>
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<tr>
<th>ANTENNA ID:</th>
<th>KLSR-ANT5</th>
<th>3 meters</th>
<th>Winegard Pinnacle</th>
<th>CK-1088</th>
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<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0D7W</td>
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<th>ANTENNA ID:</th>
<th>KLSR-ANT6</th>
<th>3.7 meters</th>
<th>M/A-Com Prodelin</th>
<th>136-752-06</th>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0D7W</td>
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<tr>
<th>ANTENNA ID:</th>
<th>KLSR-ANT7</th>
<th>4.5 meters</th>
<th>Paraclipse</th>
<th>Islander</th>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0D7W</td>
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<th>ANTENNA ID:</th>
<th>KLSR-ANT8</th>
<th>3 meters</th>
<th>Kaul-Tronics</th>
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<td>3700.0000 - 4200.0000 MHz</td>
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<thead>
<tr>
<th>ANTENNA ID:</th>
<th>KLSR-ANT9</th>
<th>4.5 meters</th>
<th>Andrew</th>
<th>ESA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0D7W</td>
<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>KLSR-ANT10</th>
<th>4.8 meters</th>
<th>Andrew</th>
<th>ESA</th>
</tr>
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<tbody>
<tr>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0D7W</td>
<td></td>
<td></td>
</tr>
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</table>

**Points of Communication:**

**KLSR STUDIO - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th><strong>SES-REG-20181011-05360</strong></th>
<th><strong>E200066</strong></th>
<th><strong>KAAL-TV, LLC</strong></th>
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</thead>
</table>

**Registration** 10/09/2018 - 10/09/2033

**Grant of Authority** Date Effective: 03/06/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>1701 10TH PLACE NE, MOWER, AUSTIN, MN</td>
</tr>
<tr>
<td>LAT:</td>
<td>43 ° 40' 32.10&quot; N</td>
</tr>
<tr>
<td>LONG:</td>
<td>92 ° 57' 8.90&quot; W</td>
</tr>
</tbody>
</table>

### SITE ID: 1

#### Location:

- **Latitude:** 43 ° 40' 32.10" N
- **Longitude:** 92 ° 57' 8.90" W

#### Antenna Details:

- **Antenna ID:** KAAL AUSTI
- **Type:** MIRALITE
- **Height:** 3.7 meters
- **Power Level:** 370
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 36M0G7W
- **Emission Type:** DIGITAL VIDEO, AUDIO, DATA

#### Points of Communication:

- **Points:** 1
- **List:** PERMITTED LIST - ()

#### Registration Details:

- **Registration Number:** SES-REG-20181011-05361
- **Effective Date:** 03/06/2020
- **Class of Station:** Fixed Earth Stations
- **Nature of Service:** Fixed Satellite Service

#### Grant of Authority Details:

- **Grant Number:** 10/11/2018 - 10/11/2033
- **Registration:** DICKEY BROADCASTING COMPANY

---

<table>
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<tr>
<th>SITE ID:</th>
<th>Battery</th>
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</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>800 Battery Ave Suite 400, Cobb, Atlanta, GA</td>
</tr>
<tr>
<td>LAT:</td>
<td>33 ° 53' 24.00&quot; N</td>
</tr>
<tr>
<td>LONG:</td>
<td>84 ° 28' 12.00&quot; W</td>
</tr>
</tbody>
</table>

### SITE ID: Battery

#### Location:

- **Latitude:** 33 ° 53' 24.00" N
- **Longitude:** 84 ° 28' 12.00" W

#### Antenna Details:

- **Antenna ID:** 1
- **Type:** DH
- **Height:** 3.7M
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 36M0G7W
- **Emission Type:** Digital data & audio

#### Points of Communication:

- **Points:** Battery
- **List:** PERMITTED LIST - ()

#### Registration Details:

- **Registration Number:** SES-REG-20181011-05362
- **Effective Date:** 03/06/2020
- **Class of Station:** Fixed Earth Stations
- **Nature of Service:** Fixed Satellite Service

#### Grant of Authority Details:

- **Grant Number:** 10/09/2018 - 10/09/2033
- **Registration:** KAAL-TV, LLC

---

<table>
<thead>
<tr>
<th>SITE ID:</th>
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<tbody>
<tr>
<td>LOCATION:</td>
<td>1701 10TH PLACE NE, MOWER, AUSTIN, MN</td>
</tr>
<tr>
<td>LAT:</td>
<td>43 ° 40' 32.40&quot; N</td>
</tr>
<tr>
<td>LONG:</td>
<td>92 ° 57' 9.80&quot; W</td>
</tr>
</tbody>
</table>

### SITE ID: 1

#### Location:

- **Latitude:** 43 ° 40' 32.40" N
- **Longitude:** 92 ° 57' 9.80" W

#### Antenna Details:

- **Antenna ID:** KAAL AUSTI
- **Type:** PRODELIN
- **Height:** 3.4 meters
- **Power Level:** 3.4
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 36M0G7W
- **Emission Type:** DIGITAL VIDEO, AUDIO, DATA

#### Points of Communication:

- **Points:** 1
- **List:** PERMITTED LIST - ()
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Headend
LOCATION: 1559 Pony Express Highway, Marshall, Home, KS
39° 50' 18.54" N LAT. 96° 31' 43.45" W LONG.

ANTENNA ID: 4.6M. 4.6 meters Superior Satellite SSE4583C
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

ANTENNA ID: Simulsat 5.2 meters ATCi 5B
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

Points of Communication:

Wood County Headend - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Wood County Headend
LOCATION: 1525 Dupont Rd, Wood, Parkersburg, WV
39° 14' 50.90" N LAT. 81° 33' 41.30" W LONG.

ANTENNA ID: ANT1 3.7 meters PRODELIN 3.7M SERISE 1374
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Analog Video with associated subcarriers

Points of Communication:

Wood County Headend - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
SITE ID: 1
LOCATION: 2900 Genesee St, Erie, Cheektowaga, NY  42° 55' 26.50" N LAT.  78° 46' 39.90" W LONG.

ANTENNA ID: WECK  3.8 meters  Comtech  3.8 meter Az/El
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Modulation and Services Digital Audio and Video Services

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181011–05367  E  E200073  Bristlecone Broadcasting LLC
Registration  10/09/2018 - 10/09/2033
Grant of Authority  Date Effective:  03/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WSYT-TV James St.
LOCATION: 1000 James St., Onondaga, Syracuse, NY  43° 3' 31.70" N LAT.  76° 8' 0.20" W LONG.

ANTENNA ID: Dish 3  3.8 meters  Patriot  unknown
3700.0000 - 4200.0000 MHz  36M0G7W  digital video

ANTENNA ID: G 19  3.8 meters  Scientific Atlanta  unknown
3700.0000 - 4200.0000 MHz  36M0G7W  digital video

ANTENNA ID: GetTV  3.8 meters  Patriot  unknown
3700.0000 - 4200.0000 MHz  36M0G7W  digital video

ANTENNA ID: CoziTV  2.8 meters  Scientific Atlanta  unknown
3700.0000 - 4200.0000 MHz  36M0G7W  digital video

Points of Communication:

WSYT-TV James St. - PERMITTED LIST - ()

SES–REG–20181011–05376  E  E200081  CALIFORNIA OREGON BROADCASTING, INC.
Registration  10/11/2018 - 10/11/2033
Grant of Authority  Date Effective:  03/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
### SITE ID: KOBI STUDIO

**LOCATION:** 125 S Fir Street, Jackson, Medford, OR  
42° 19’ 27.10” N LAT. 122° 52’ 16.30” W LONG.

**ANTENNA ID:** KOBI-ANT1 3.1 meters Patriot PRT-310  
3700.0000 - 4200.0000 MHz 36M0D7W

**ANTENNA ID:** KOBI-ANT2 4.8 meters Paraclipse Islander  
3700.0000 - 4200.0000 MHz 36M0D7W

**ANTENNA ID:** KOBI-ANT3 4.5 meters Andrew ESA  
3700.0000 - 4200.0000 MHz 36M0D7W

**ANTENNA ID:** KOBI-ANT4 3 meters Winegard Pinnacle CK-1088  
3700.0000 - 4200.0000 MHz 36M0D7W

**ANTENNA ID:** KOBI-ANT5 3.6 meters AFC PR-12  
3700.0000 - 4200.0000 MHz 36M0D7W

**ANTENNA ID:** KOBI-ANT6 3.1 meters Prodelin 1304-990  
3700.0000 - 4200.0000 MHz 36M0D7W

### Points of Communication:

**KOBI STUDIO - PERMITTED LIST - ()**

**SES-REG-20181011-05384** E  E200089  Top O Texas Educational Broadcasting Foundation  
Registration 10/11/2018 - 10/11/2033  
Grant of Authority Date Effective: 03/04/2020

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

### SITE ID: Site 1

**LOCATION:** 5754 Canyon Drive, Randall, Amarillo, TX  
35° 8’ 51.40” N LAT. 101° 53’ 13.10” W LONG.

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

### Points of Communication:

**Site 1 - PERMITTED LIST - ()**
### WXMI, LLC

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**Grant of Authority:** 10/11/2018 - 10/11/2033  
**Registration:**  
**SITE ID:** Grand Rapids  
**LOCATION:** 3117 Plaza Dr NE, Kent, Grand Rapids, MI  
43° 1' 6.60" N LAT.  
85° 37' 55.70" W LONG.  
**Points of Communication:**  
Grand Rapids - PERMITTED LIST - ()  

**ANTENNA ID:** 8.3m  
8.3 meters  
Harris  
8.3 meter  
3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier  

**ANTENNA ID:** 5m  
5 meters  
Comtech  
5 meter  
3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier  

**ANTENNA ID:** 3.8m  
3.8 meters  
Dawnco  
3.8 meter  
3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier  

**ANTENNA ID:** 3m  
3 meters  
Dawnco  
3.0 meter  
3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier  

**ANTENNA ID:** 4.5m  
4.5 meters  
Andrew  
4.5 meter  
3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier  

**ANTENNA ID:** 4.2m  
4.2 meters  
Dawnco  
4.2 meter  
3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier  

---

### WAY MEDIA, Inc.

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**Grant of Authority:** 10/11/2018 - 10/11/2033  
**Registration:**  
**SITE ID:** Site 1  
**LOCATION:** 420 Nell Beard Ln., Humphreys, New Johnsonville, TN  
36° 2' 16.29" N LAT.  
87° 56' 56.00" W LONG.  
**Points of Communication:**  

**ANTENNA ID:** ANT 1  
3.7 meters  
PRODELIN  
1374
### Points of Communication:

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<td><strong>Registration</strong></td>
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<td><strong>Class of Station:</strong></td>
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<tr>
<td><strong>Nature of Service:</strong></td>
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<tr>
<td><strong>SITE ID:</strong></td>
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<tr>
<td><strong>LOCATION:</strong></td>
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<tr>
<td></td>
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<tr>
<td><strong>ANTENNA ID:</strong></td>
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<tr>
<td><strong>3700.0000 - 4200.0000 MHz</strong></td>
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### Points of Communication:

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<td><strong>Registration</strong></td>
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<td><strong>Class of Station:</strong></td>
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<tr>
<td><strong>Nature of Service:</strong></td>
</tr>
<tr>
<td><strong>SITE ID:</strong></td>
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<tr>
<td><strong>LOCATION:</strong></td>
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<tr>
<td><strong>ANTENNA ID:</strong></td>
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<tr>
<td><strong>3700.0000 - 4200.0000 MHz</strong></td>
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<tr>
<td><strong>ANTENNA ID:</strong></td>
</tr>
<tr>
<td><strong>3700.0000 - 4200.0000 MHz</strong></td>
</tr>
</tbody>
</table>

### Points of Communication:

| ITU - PERMITTED LIST - () |
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 800 Northpoint Pkwy Suite 881, Palm Beach, West Palm Beach, FL
          26° 45' 43.88" N LAT.     80° 5' 45.09" W LONG.

ANTENNA ID: ANT 1      3.7 meters      PRODELIN      1374

3700.0000 - 4200.0000 MHz   30M0G7W   0.00 dBW

Points of Communication:

Site 1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1400 NE 136th Ave, Suite201, Clark, Vancouver, WA
          45° 38' 3.73" N LAT.     122° 32' 10.13" W LONG.

ANTENNA ID: ANT 1      3.7 meters      PRODELIN      1374

3700.0000 - 4200.0000 MHz   30M0G7W   0.00 dBW

Points of Communication:

Site 1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1338 Oregon Avenue, Klamath, Klamath Falls, OR
          42° 13' 57.00" N LAT.     121° 47' 14.00" W LONG.

ANTENNA ID: Site 1      3.8 meters      Comtech      3.8
Points of Communication:

Site 1 - PERMITTED LIST - ()

**SES–REG–20181012–05465**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
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<th>Nature of Service</th>
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<tbody>
<tr>
<td>SES–REG–20181012–05465</td>
<td>E200171</td>
<td>Washington Cable Systems Inc</td>
<td>10/12/2018 - 10/12/2033</td>
<td>Fixed Earth Stations</td>
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### SITE ID:

**NASA Hq.**

**LOCATION:**

300 E St SW, DC, Washington, DC

38° 52’ 58.00” N LAT.

77° 1’ 2.00” W LONG.

**ANTENNA ID:**

Harris 3

3 meters


5115

**3700.0000 - 4200.0000 MHz**

36M0G7W

0.00 dBW

Digital and Analog Video with associated subcarriers

Points of Communication:

NASA Hq. - PERMITTED LIST - ()

**SES–REG–20181012–05467**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
</table>

### SITE ID:

**1**

**LOCATION:**

2323 N Valley St, Los Angeles, Burbank, CA

34° 11’ 32.00” N LAT.

118° 21’ 30.00” W LONG.

**ANTENNA ID:**

1

3.1 meters

Patriot

PRT-310AZ

**3700.0000 - 4200.0000 MHz**

36M0G7W

0.00 dBW

Modulation and Services Store & Forward

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181012–05469**

<table>
<thead>
<tr>
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<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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<tbody>
<tr>
<td>SES–REG–20181012–05469</td>
<td>E200175</td>
<td>Northland Cable Television, Inc.</td>
<td>10/12/2018 - 10/12/2033</td>
<td>Fixed Earth Stations</td>
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</table>

### SITE ID:

**Northland Cable Television, Inc.**

**LOCATION:**

**ANTENNA ID:**

1

3.1 meters

Patriot

PRT-310AZ

**3700.0000 - 4200.0000 MHz**

36M0G7W

0.00 dBW

Modulation and Services Store & Forward
SITE ID: 1
LOCATION: 320 Commerce Way, Toombs, Vidalia, GA
32° 12' 2.30" N LAT. 82° 22' 6.40" W LONG.

ANTENNA ID: 1 3.8 meters Patriot PRT 380
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

ANTENNA ID: 2 3.9 meters Anderson Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

ANTENNA ID: 3 3.1 meters Patriot Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

ANTENNA ID: 4 4.5 meters Eagle Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

ANTENNA ID: 5 4.5 meters Patriot Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181012-05470 E200176 Stayton Communications LLC
Registration 10/12/2018 - 10/12/2033 Date Effective: 03/03/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 18920 E Valleyview Parkway Suite C, Jackson, Independence, MO
39° 2' 5.20" N LAT. 94° 21' 28.90" W LONG.

ANTENNA ID: 1 3.6 meters unknown unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181012-05471 E200177 Benne Broadcasting Company, LLC
Registration 10/12/2018 - 10/12/2033 Date Effective: 03/03/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 160 Highway 42 Kaiser, Miller, Kaiser, MO
38° 8' 14.00" N LAT. 92° 34' 30.95" W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8M Comtech
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181012–05472 E200178 Northland Cable Television, Inc.
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 03/03/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 601 Juniper Drive, Siskiyou, Yreka, CA
41° 44' 20.50" N LAT. 122° 36' 50.90" W LONG.

ANTENNA ID: 1 4.5 meters Scientific Atlanta Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

ANTENNA ID: 2 3.8 meters Patriot PRT 380
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

Points of Communication:

1 - PERMITTED LIST - ()

Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 03/03/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1108 West Main Street, Rutherford, Forest City, NC
35° 21' 3.00" N LAT. 81° 53' 27.20" W LONG.

ANTENNA ID: 1 3.7 meters Comteck Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Brand</th>
<th>ID</th>
<th>Power</th>
<th>Frequency Range</th>
<th>Service Type</th>
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<tr>
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<td>3.7</td>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital Video Programming</td>
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<td>3</td>
<td>3.7</td>
<td>Comteck</td>
<td>Unknown</td>
<td>0.00</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital Video Programming</td>
</tr>
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<td>4</td>
<td>3.7</td>
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<td>Unknown</td>
<td>0.00</td>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>Unknown</td>
<td>0.00</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital Video Programming</td>
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<td>Digital Video Programming</td>
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</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES-REG-20181012-05474**

Registration

Grant of Authority 10/12/2018 - 10/12/2033

Date Effective: 03/03/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1305 Hwy 2 W, Bonner, Sandpoint, ID

48 ° 16' 3.70" N LAT.

116 ° 33' 55.30" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Brand</th>
<th>ID</th>
<th>Power</th>
<th>Frequency Range</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.5</td>
<td>Scientific Atlanta</td>
<td>Unknown</td>
<td>0.00</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital Video Programming</td>
</tr>
<tr>
<td>2</td>
<td>3.8</td>
<td>Patriot</td>
<td>PRT 380</td>
<td>0.00</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital Video Programming</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()
<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTEenna</th>
<th>Antenna ID</th>
<th>Service Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>E200181</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>1660 N. Newcomb Street, Tulare, Porterville, CA</td>
<td>PRODELIN GENERAL DYNAMICS</td>
<td>1374</td>
<td>3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW</td>
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<tr>
<td>E200182</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>810 West Alameda Road, Banock, Pocatello, ID</td>
<td>Prodelin</td>
<td>1374</td>
<td>3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW</td>
</tr>
<tr>
<td>E200183</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>810 West Alameda Road, Banock, Pocatello, ID</td>
<td>4.2 meters</td>
<td>42DH1</td>
<td>3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW</td>
</tr>
<tr>
<td>ANTENNA ID</td>
<td>Description</td>
<td>Channel Details</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-------------</td>
<td>-----------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>4.5 meters Scientific Atlanta</td>
<td>3700.000 - 4200.000 MHz, 36M0G7W, 0.00 dBW, Digital Video Programming</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3.2 meters Scientific Atlanta</td>
<td>3700.000 - 4200.000 MHz, 36M0G7W, 0.00 dBW, Digital Video Programming</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3.2 meters Scientific Atlanta</td>
<td>3700.000 - 4200.000 MHz, 36M0G7W, 0.00 dBW, Digital Video Programming</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>4</td>
<td>3.2 meters Scientific Atlanta</td>
<td>3700.000 - 4200.000 MHz, 36M0G7W, 0.00 dBW, Digital Video Programming</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>4.5 meters Patriot</td>
<td>3700.000 - 4200.000 MHz, 36M0G7W, 0.00 dBW, Digital Video Programming</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>4.5 meters Patriot</td>
<td>3700.000 - 4200.000 MHz, 36M0G7W, 0.00 dBW, Digital Video Programming</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>3.8 meters Patriot</td>
<td>3700.000 - 4200.000 MHz, 36M0G7W, 0.00 dBW, Digital Video Programming</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>3.8 meters Prodigeline</td>
<td>3700.000 - 4200.000 MHz, 36M0G7W, 0.00 dBW, Digital Video Programming</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

 SES−REG−20181012−05495 E E200200 Costa−Eagle Radio Ventures LTD. Ptp.  
Registration Grant of Authority Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
Points of Communication:

Site 1 - PERMITTED LIST - ()

**SES–REG–20181012–05498**  E  E200203  MIRCLE RAIDO, INC.  
Registration  
Grant of Authority  10/12/2018 - 10/12/2033  
Date Effective:  03/03/2020  

Class of Station:  Fixed Earth Stations  
Nature of Service:  Fixed Satellite Service  

SITE ID:  1  
LOCATION:  Lolita O, Escambia, Pensacola, FL  
30° 27′ 9.17″ N LAT.  
87° 14′ 26.20″ W LONG.  

ANTENNA ID:  Ant 1  
4.5 meters  
Unknown  
Unknown  

3700.0000 - 4200.0000 MHz  
30M0G7W  
0.00 dBW  
Analog Video with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181012–05505**  E  E200210  Hispanavision  
Registration  
Grant of Authority  10/12/2018 - 10/12/2033  
Date Effective:  03/10/2020  

Class of Station:  Fixed Earth Stations  
Nature of Service:  Fixed Satellite Service  

SITE ID:  1  
LOCATION:  715 W Yakima Ave 715 W Yakima Ave, Yakima county, Yakima, WA  
46° 35′ 57.30″ N LAT.  
120° 31′ 9.30″ W LONG.  

ANTENNA ID:  1  
3.05 meters  
Channel Master  
6346  

3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
DIGITAL DATA

Points of Communication:

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

**SES–REG–20181012–05607**  E  E200310  Harlan Community Television Inc  
Registration  
Grant of Authority  10/12/2018 - 10/12/2033  
Date Effective:  03/10/2020  

Class of Station:  Fixed Earth Stations  
Nature of Service:  Fixed Satellite Service
### Harlan Community TV

<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>Harlan Community TV</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>124 S 1st Street, Harlan, Harlan, KY</td>
</tr>
<tr>
<td>LAT.</td>
<td>36 ° 50 ' 46.40 &quot; N</td>
</tr>
<tr>
<td>LONG.</td>
<td>83 ° 19 ' 19.10 &quot; W</td>
</tr>
</tbody>
</table>

**Antenna Details**

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>ANT1</th>
<th>4.5 meters</th>
<th>PATRIOT</th>
<th>4.5m Commercial</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHz Range</td>
<td>3700.0000 - 4200.0000</td>
<td>30M0G7W</td>
<td>Digital Video</td>
<td></td>
</tr>
<tr>
<td>MHz Range</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0F8F</td>
<td>Analog Video with associated subcarriers</td>
<td></td>
</tr>
</tbody>
</table>

**Antenna ID Details**

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>ANT2</th>
<th>3.7 meters</th>
<th>AFC</th>
<th>PR-12/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHz Range</td>
<td>3700.0000 - 4200.0000</td>
<td>30M0G7W</td>
<td>Digital Video</td>
<td></td>
</tr>
<tr>
<td>MHz Range</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0F8F</td>
<td>Analog Video with associated subcarriers</td>
<td></td>
</tr>
</tbody>
</table>

### Points of Communication:

- **Harlan Community TV - PERMITTED LIST - ()**

**SES–REG–20181014–05651**

- **Registration**: E200348
- **NRG License Sub, LLC**
- **Date Effective**: 03/05/2020
- **Class of Station**: Fixed Earth Stations
- **Nature of Service**: Fixed Satellite Service

### Dixon Studio

<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>NRG Dixon Studio</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>1460 South College Ave, Lee, Dixon, IL</td>
</tr>
<tr>
<td>LAT.</td>
<td>41 ° 49 ' 39.00 &quot; N</td>
</tr>
<tr>
<td>LONG.</td>
<td>89 ° 29 ' 15.00 &quot; W</td>
</tr>
</tbody>
</table>

**Antenna Details**

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>DH 3.7M</th>
<th>3.7 meters</th>
<th>DH Satellite</th>
<th>48' Az-El</th>
</tr>
</thead>
<tbody>
<tr>
<td>MHz Range</td>
<td>3700.0000 - 4200.0000</td>
<td>30M0G7W</td>
<td>QPSK 8PSK Digital</td>
<td></td>
</tr>
</tbody>
</table>

### Points of Communication:

- **NRG Dixon Studio - AMC-15 (S2180) - (105.0 W.L.)**

### OMAHA

<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>OMAHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>11717 Burt Street, Suite 202, Douglas, OMAHA, NE</td>
</tr>
<tr>
<td>LAT.</td>
<td>41 ° 15 ' 53.70 &quot; N</td>
</tr>
<tr>
<td>LONG.</td>
<td>96 ° 5 ' 53.60 &quot; W</td>
</tr>
</tbody>
</table>

**SES–REG–20181015–04806**

- **Registration**: E191177
- **Salem Media of Illinois, LLC**
- **Date Effective**: 03/06/2020
- **Class of Station**: Fixed Earth Stations
- **Nature of Service**: Fixed Satellite Service
<table>
<thead>
<tr>
<th>ANTEenna ID:</th>
<th>3.0D&amp;</th>
<th>3 meters</th>
<th>D&amp;H</th>
<th>D30F48-5.5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital Video Carrier</td>
</tr>
</tbody>
</table>

**Points of Communication:**

**OMAHA - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>SES-REG-20181015-04812</th>
<th>E191183</th>
<th>ACADIA BROADCAST PARTNERS INC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td>07/02/2018 - 07/02/2033</td>
<td>Date Effective: 03/06/2020</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class of Station:</td>
<td>Fixed Earth Stations</td>
<td></td>
</tr>
<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
<td></td>
</tr>
</tbody>
</table>

**SITE ID:** Site 1

**LOCATION:** 123 E 3rd Street, Acadia, Crowley, LA
30°12'44.40" N LAT. 92°22'17.90" W LONG.

<table>
<thead>
<tr>
<th>ANTEenna ID:</th>
<th>ANT1</th>
<th>3 meters</th>
<th>General Dynamics</th>
<th>1304</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30M0G7W</td>
<td>0.00 dBW</td>
<td>Modulation and Services Analog Video with associated subcarriers</td>
</tr>
</tbody>
</table>

**Points of Communication:**

**Site 1 - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>SES-REG-20181015-05516</th>
<th>E200221</th>
<th>Houston Christian Broadcasters, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td>10/15/2018 - 10/15/2033</td>
<td>Date Effective: 03/10/2020</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Class of Station:</td>
<td>Fixed Earth Stations</td>
<td></td>
</tr>
<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
<td></td>
</tr>
</tbody>
</table>

**SITE ID:** 1

**LOCATION:** 225 1/2 Blue Ridge, Bienville, Gibsland, LA
32°27’26.00” N LAT. 92°59’38.00” W LONG.

<table>
<thead>
<tr>
<th>ANTEenna ID:</th>
<th>1</th>
<th>3.7 meters</th>
<th>Dawnco</th>
<th>D37P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>400KG7W</td>
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</tbody>
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**Points of Communication:**

**1 - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>SES-REG-20181015-05519</th>
<th>E200224</th>
<th>Houston Christian Broadcasters, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td>10/15/2018 - 10/15/2033</td>
<td>Date Effective: 03/10/2020</td>
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<td></td>
</tr>
<tr>
<td>Class of Station:</td>
<td>Fixed Earth Stations</td>
<td></td>
</tr>
</tbody>
</table>

Page 58 of 66
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 900 County Road 1543, Grady, Ninnekah, OK
34° 54’ 32.00” N LAT. 97° 57’ 34.00” W LONG.

ANTENNA ID: 1 3.7 meters General Dynamics 1374
3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

SES--REG--20181015--05522 E200227 Houston Christian Broadcasters, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1036 Shady Grove, Marion, Jefferson, TX
32° 50’ 7.00” N LAT. 94° 28’ 52.00” W LONG.

ANTENNA ID: 1 3 meters Prodelin 1304
3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

SES--REG--20181015--05523 E200944 Houston Christian Broadcasters, Inc.
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1511 Market Street, Caldwell, Lockhart, TX
29° 53’ 29.00” S LAT. 97° 39’ 45.00” W LONG.

ANTENNA ID: 1 3.2 meters SAMI SI-12
3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()
Grant of Authority: 10/15/2018 - 10/15/2033
Registration Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2935 Cypress Creek Rd, Kerr, Kerrville, TX
LAT: 30°3'31.00"N, LONG: 99°3'52.00"W

ANTENNA ID: 1
3 meters, Prodelin 1304
3700.0000 - 4200.0000 MHz, 400KG7W

Points of Communication: [ ]

---

Grant of Authority: 10/15/2018 - 10/15/2033
Registration Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10085 State Hwy. 87 N, Shelby, Timpson, TX
LAT: 31°50'59.00", LONG: 94°20'46.00"

ANTENNA ID: 1
3 meters, General Dynamics 1304
3700.0000 - 4200.0000 MHz, 400KG7W

Points of Communication: [ ]

---

Grant of Authority: 10/15/2018 - 10/15/2033
Registration Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 9960 Hwy 4, Bienville, Castor, LA
LAT: 32°16'23.00", LONG: 93°8'15.00"

ANTENNA ID: 1
3 meters, General Dynamics 1304
3700.0000 - 4200.0000 MHz, 400KG7W

Points of Communication: [ ]

---
Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181015-05547**

E200251  Houston Christian Broadcasters, Inc.

Registration: 10/15/2018 - 10/15/2033

Grant of Authority: Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 19801 N Hwy 77, Victoria, Victoria, TN

29° 0’ 6.00” N LAT. 97° 0’ 6.00” W LONG.

ANTENNA ID: 1 3 meters General Dynamics 1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181016-04807**

E191178  Cequel III Communications I, LLC

Registration: 06/19/2018 - 06/19/2033

Grant of Authority: Date Effective: 03/04/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4809 W Sturgeon Rd, Kootenai, Rathdrum, ID

47° 50’ 49.20” N LAT. 116° 51’ 3.80” W LONG.

ANTENNA ID: 3.8 3.8 meters Patriot 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181016-04810**

E191181  Cequel III Communications I, LLC

Registration: 06/19/2018 - 06/19/2033

Grant of Authority: Date Effective: 03/05/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
| SITE ID: | 1 |
| LOCATION: | 303 Bennett Lane, Benewah, St Maries, ID |
| LAT: | 47° 18' 31.70" N |
| LONG: | 116° 34' 50.40" W |
| SITE ID: | 1303 Bennett Lane, Benewah, St Maries, ID |
| LOCATION: | 303 Bennett Lane, Benewah, St Maries, ID |
| LAT: | 47° 18' 31.70" N |
| LONG: | 116° 34' 50.40" W |
| ANTIenna ID: | 4.0 Meter |
| SIZE: | 4 meters |
| PATRIOT: | 4.0 Meter |
| FREQUENCY: | 3700.0000 - 4200.0000 MHz |
| OBJECT: | 36M0G7W |
| Points of Communication: | |
| 1 - PERMITTED LIST - () |

<p>| SES-REG-20181016-04813 | E191184 | Classic Cable of Oklahoma, Inc. |</p>
<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
</thead>
</table>

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

| SITE ID: | 1 |
| LOCATION: | 2200 S Mission Road, Caddo, Anadarko, OK |
| LAT: | 35° 2' 35.80" N |
| LONG: | 98° 15' 6.80" W |
| SITE ID: | 1 |
| LOCATION: | 2200 S Mission Road, Caddo, Anadarko, OK |
| LAT: | 35° 2' 35.80" N |
| LONG: | 98° 15' 6.80" W |
| ANTIenna ID: | 8 Meter |
| SIZE: | 8 meters |
| PATRIOT: | 8 Meter |
| FREQUENCY: | 3700.0000 - 4200.0000 MHz |
| OBJECT: | 36M0G7W |
| Points of Communication: | |
| 1 - PERMITTED LIST - () |

<p>| SES-REG-20181016-04814 | E191185 | Cequel III Communications I, LLC |</p>
<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
</thead>
</table>

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

| SITE ID: | Truckee |
| LOCATION: | 10970 Industrial Way, Nevada, Truckee, CA |
| LAT: | 39° 20' 18.40" N |
| LONG: | 120° 10' 53.60" W |
| SITE ID: | Truckee |
| LOCATION: | 10970 Industrial Way, Nevada, Truckee, CA |
| LAT: | 39° 20' 18.40" N |
| LONG: | 120° 10' 53.60" W |
| ANTIenna ID: | 5 meter |
| SIZE: | 5 meters |
| PATRIOT: | Simulsat 5M |
| FREQUENCY: | 3700.0000 - 4200.0000 MHz |
| OBJECT: | 36M0G7W |
| Points of Communication: | |
| Truckee - PERMITTED LIST - () |
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3000 N Green, McClain, Purcell, OK
35° 2' 31.00" N LAT. 97° 22' 19.80" W LONG.

ANTENNA ID: 9 Meter 9 meters Vertex 9 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2321 Highway 270 East, Montgomery, Mount Ida, AR
34° 31' 55.10" N LAT. 93° 32' 19.80" W LONG.

ANTENNA ID: 3.8 3.8 meters Patriot 3.8

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2830 Wilbarger, Wilbarger, Vernon, TX
34° 9' 9.30" N LAT. 99° 17' 45.80" W LONG.

ANTENNA ID: 3.8 Meter 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 Meter
### Points of Communication:

<table>
<thead>
<tr>
<th>Points of Communication:</th>
<th>1 - PERMITTED LIST - ()</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SES–REG–20181016–05517</strong></td>
<td>E200222 Houston Christian Broadcasters, Inc.</td>
</tr>
<tr>
<td>Registration</td>
<td>10/16/2018 - 10/16/2033</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td>Date Effective: 03/10/2020</td>
</tr>
<tr>
<td><strong>Class of Station:</strong></td>
<td>Fixed Earth Stations</td>
</tr>
<tr>
<td><strong>Nature of Service:</strong></td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td><strong>SITE ID:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>LOCATION:</strong></td>
<td>1101 N. Broadway, Stephens, Marlow, OK</td>
</tr>
<tr>
<td></td>
<td>34 ° 39 ' 37.00 &quot; N LAT.</td>
</tr>
<tr>
<td></td>
<td>97 ° 57 ' 30.00 &quot; W LONG.</td>
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<tr>
<td><strong>ANTENNA ID:</strong></td>
<td>1</td>
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<tr>
<td><strong>ANTENNA ID:</strong></td>
<td>3 meters</td>
</tr>
<tr>
<td><strong>ANTENNA ID:</strong></td>
<td>General Dynamics</td>
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<tr>
<td><strong>ANTENNA ID:</strong></td>
<td>1304</td>
</tr>
<tr>
<td><strong>SITE ID:</strong></td>
<td>1</td>
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<tr>
<td><strong>LOCATION:</strong></td>
<td>1813 Westlake Ave N, King, Seattle, WA</td>
</tr>
<tr>
<td></td>
<td>47 ° 38 ' 8.00 &quot; N LAT.</td>
</tr>
<tr>
<td></td>
<td>122 ° 20 ' 28.00 &quot; W LONG.</td>
</tr>
<tr>
<td><strong>ANTENNA ID:</strong></td>
<td>1</td>
</tr>
<tr>
<td><strong>ANTENNA ID:</strong></td>
<td>4.5 meters</td>
</tr>
<tr>
<td><strong>ANTENNA ID:</strong></td>
<td>Andrew Corp.</td>
</tr>
<tr>
<td><strong>ANTENNA ID:</strong></td>
<td>4.5 ESA</td>
</tr>
<tr>
<td><strong>14000.0000 - 14500.0000 MHz</strong></td>
<td>36M0G7W</td>
</tr>
<tr>
<td><strong>14000.0000 - 14500.0000 MHz</strong></td>
<td>36M0G7W</td>
</tr>
<tr>
<td><strong>11700.0000 - 12200.0000 MHz</strong></td>
<td>43K9G7W</td>
</tr>
<tr>
<td><strong>11700.0000 - 12200.0000 MHz</strong></td>
<td>43K9G7W</td>
</tr>
<tr>
<td><strong>Points of Communication:</strong></td>
<td>1 - PERMITTED LIST - ()</td>
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<tr>
<td><strong>SES–RWL–20200304–00210</strong></td>
<td>E050057 Tribune Broadcasting Seattle, LLC</td>
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<td>Renewal</td>
<td>04/12/2020 - 04/12/2035</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td>Date Effective: 03/05/2020</td>
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<tr>
<td><strong>Class of Station:</strong></td>
<td>Fixed Earth Stations</td>
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<tr>
<td><strong>Nature of Service:</strong></td>
<td>Domestic Fixed Satellite Service</td>
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<tr>
<td><strong>SITE ID:</strong></td>
<td>1</td>
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On March 10, 2020 SES Americom, Inc. (SES Americom) was granted special temporary authority for 30 days to operate its fixed earth station in Somis, CA to provide telemetry, tracking and command (TT&C) services for the Dutch-licensed NSS-6 satellite as it drifts to the 169.5° W.L. orbital location on center frequencies: 14496.0 MHz and 14499.0 MHz (Earth-to-space), and 11198.0 MHz and 11199.5 MHz (space-to-Earth).

On March 10, 2020 SES Americom, Inc. (SES Americom) was granted special temporary authority for 30 days to operate its fixed earth station in Mt. Airy, MD to provide telemetry, tracking, and command (TT&C) services for the Dutch-licensed NSS-6 satellite as it drifts to the 169.5° W.L. orbital location on center frequencies: 14496.0 MHz and 14499.0 MHz (Earth-to-space), and 11198.0 MHz and 11199.5 MHz (space-to-Earth).

On March 4, 2020, Intelsat License LLC was granted special temporary authority for 60 days, beginning March 4, 2020, to operate its fixed earth station in Riverside, CA to perform telemetry, tracking and command (TT&C) services for the Intelsat 5 (S2704) satellite at the 137° W.L. orbital location in the 13999 MHz and 14498 MHz (Earth-to-space), and 11451 MHz, 11452 MHz, and 11454 MHz (space-to-Earth) frequency bands.

On March 4, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning March 4, 2020, to operate a 7.3-meter S-band antenna at its Paumalu, Hawaii teleport to provide telemetry, tracking and command (TT&C) services for the STPSat-4 satellite during launch and early orbit phase (LEOP), in-orbit testing (IOT), as it drifts to its final orbital location in the 2109.75 MHz (Earth-to-space) and 2277.90 MHz (space-to-Earth) frequency bands.
On March 4, 2020, Intelsat License LLC was granted special temporary authority for 60 days, beginning March 4, 2020, to operate its fixed earth station in Hagerstown, MD to provide telemetry, tracking and command (TT&C) services for the Galaxy 11 (S2253) satellite on-station at permanent orbital location of 93.1° W.L. orbital location.

Class of Station:

On March 4, 2020, Global Eagle Telecom Licensing Subsidiary LLC was granted special temporary authority for 30 days, beginning March 4, 2020, to conduct antenna testing with a 1.2-meter antenna to communicate with the AMC-6 (S2347) satellite at the 83° W.L. orbital location in the 11.45-11.7 GHz (space-to-Earth) frequency band.

Class of Station:

On March 6, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning March 6, 2020, to operate its fixed earth station in Riverside, CA to provide telemetry, tracking and command (TT&C) services for the HISPASAT 143W-1 satellite at the 143° W.L. orbital location in the 14498.7 MHz (Earth-to-space) and 12749.75 MHz (space-to-Earth) frequency bands.

Corrections

This application granted on 2/24/2020 appeared on Public Notice dated 2/26/2020 without the granted language below.

On February 24, 2020, Hawaii Pacific Teleport, L.P. was granted special temporary authority for 60 days, beginning February 28, 2020, to operate a fixed earth station in Gualo Rai, Saipan to communicate with JCSAT-2B satellite at the 154° E.L. orbital location in the 6168-6400 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

 Surrender

License surrendered by letter filed on March 6, 2020.
License surrendered by letter filed on March 5, 2020.
License surrendered by letter filed on March 5, 2020.
License surrendered by letter filed on March 5, 2020.

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