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

**SES-AMD-20190221-00283**  
**HNS License Sub, LLC**  
**E170163**

** Amendement Date Effective: 05/15/2020 **

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

**SITE ID:** 1  
**LOCATION:** 4514 Ish Drive, Ventura, Simi Valley, CA  
34 ° 16 ' 9.80 " N LAT.  
118 ° 42 ' 12.80 " 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.)
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2050 Martin Avenue, Santa Clara, Santa Clara, CA
37° 21' 54.30" N LAT. 121° 57' 41.20" W LONG.

ANTENNA ID: 10 meters SED 10.0 METER

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

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

SITE ID: 1
LOCATION: 235 E. 21ST. STREET, Garfield, Rifle, CO
39° 32' 54.20" N LAT. 107° 46' 53.90" W LONG.

ANTENNA ID: 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:
| SITE ID: | 1 |
| LOCATION: | 8404 El Way, Suite 1, Missoula, Missoula, MT |
| LAT: | 46 ° 56 ' 10.30 '' N |
| LONG: | 114 ° 6 ' 53.90 '' W |

**Antennas**

<table>
<thead>
<tr>
<th>Antenna ID</th>
<th>Diameter</th>
<th>Service Provider</th>
<th>Location</th>
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<tbody>
<tr>
<td>50400.0000 - 51400.0000 MHz</td>
<td>9.2 meters</td>
<td>General Dynamics</td>
<td>72.00 dBW</td>
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<tr>
<td>47200.0000 - 50200.0000 MHz</td>
<td>9.2 meter</td>
<td>470MG7W</td>
<td>M-ary PSK outroute</td>
</tr>
<tr>
<td>40000.0000 - 42000.0000 MHz</td>
<td>M-ary PSK outroute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28100.0000 - 29100.0000 MHz</td>
<td>M-ary PSK inroute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>M-ary PSK outroute</td>
<td>73.00 dBW</td>
<td></td>
</tr>
</tbody>
</table>

**Points of Communication:**

| SITE ID: | 1 |
| LOCATION: | 4202 Coleman Street, Burleigh, Bismarck, ND |
| LAT: | 46 ° 51 ' 7.20 '' N |
| LONG: | 100 ° 46 ' 56.70 '' W |

**Antennas**

<table>
<thead>
<tr>
<th>Antenna ID</th>
<th>Diameter</th>
<th>Service Provider</th>
<th>Location</th>
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<tr>
<td>50400.0000 - 51400.0000 MHz</td>
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<td>SED</td>
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<td>47200.0000 - 50200.0000 MHz</td>
<td>10.0 METER</td>
<td>470MG7W</td>
<td>M-ary PSK outroute</td>
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<tr>
<td>40000.0000 - 42000.0000 MHz</td>
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</tr>
<tr>
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<td>M-ary PSK inroute</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
<td>M-ary PSK outroute</td>
<td>73.70 dBW</td>
<td></td>
</tr>
</tbody>
</table>
Points of Communication:

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

Grant of Authority

Date Effective: 05/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3850 Tower Rd, Pennington, Rapid City, SD
44° 2' 51.10" N LAT. 103° 14' 38.20" W LONG.

ANTENNA ID: 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 -

Grant of Authority

Date Effective: 05/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 60 Garden Court Suite 300, California, Monterey, CA
36° 51' 15.00" N LAT. 121° 51' 15.00" W LONG.

ANTENNA ID: Site 1 4.5 meters AMERICAN ANTENNAS, INC TVRO-4.5

- 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog & Digital Audio with associated subcarriers

ANTENNA ID: Site 2 4.5 meters AMERICAN ANTENNAS, INC TVRO-4.5

- 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog & Digital Audio with associated subcarriers
## Points of Communication:

<table>
<thead>
<tr>
<th>Application for Consent to Assignment</th>
<th>Current Licensee</th>
<th>FROM</th>
<th>TO</th>
<th>No. of Station(s) listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-ASG-20200326-00284</td>
<td>Unisys Corp.</td>
<td>E960031</td>
<td>Unisys Corp.</td>
<td>Science Applications International Corporation</td>
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<tr>
<td>SES-ASG-20200420-00424</td>
<td>Tower Road Media, Inc.</td>
<td>E191560</td>
<td>Laird Broadcasting Company Inc.</td>
<td>Tower Road Media, Inc.</td>
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<tr>
<td>SES-ASG-20200422-00434</td>
<td>SMG-Medford, LLC</td>
<td>E190613</td>
<td>Mapleton License of Medford, LLC</td>
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<td>SES-ASG-20200429-00454</td>
<td>CCO SoCal I, LLC</td>
<td>E181392</td>
<td>CCO SoCal I, LLC</td>
<td>Spectrum Pacific West, LLC</td>
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<tr>
<td>SES-ASG-20200429-00455</td>
<td>Interlink Communications Partners, LLC</td>
<td>E181400</td>
<td>Spectrum Northeast, LLC</td>
<td>Spectrum Northeast, LLC</td>
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<tr>
<td>SES-ASG-20200429-00456</td>
<td>Bresnan Communications, LLC</td>
<td>E181397</td>
<td>Bresnan Communications, LLC</td>
<td>Spectrum Pacific West, LLC</td>
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</tbody>
</table>
Application for Consent to Assignment
Consummated

Current Licensee: Bresnan Communications, LLC
FROM: BRESNAN COMMUNICATIONS, LLC
TO: Spectrum Pacific West, LLC
No. of Station(s) listed: 1

Date Effective: 04/29/2020

Application for Consent to Assignment
Grant of Authority

Current Licensee: Frontier Communications Corporation, Debtor-in-Possession
FROM: Frontier Communications Corporation
TO: Frontier Communications Corporation, Debtor-in-Possession
No. of Station(s) listed: 1

Date Effective: 05/18/2020

Application for Consent to Assignment
Grant of Authority

Current Licensee: Verizon North LLC
FROM: Frontier North Inc.
TO: Frontier North Inc., Debtor-in-Possession
No. of Station(s) listed: 1

Date Effective: 05/18/2020

Application for Consent to Assignment
Consummated

Current Licensee: NRJ TV Houston License Co, LLC
FROM: NRJ TV Houston License Co, LLC
TO: RNN National, LLC
No. of Station(s) listed: 1

Date Effective: 05/12/2020

Application for Consent to Assignment
Consummated

Current Licensee: NRJ TV LA License Co, LLC
FROM: NRJ TV Houston License Co, LLC
TO: RNN National, LLC
No. of Station(s) listed: 1

Date Effective: 05/12/2020

Application for Consent to Assignment
Grant of Authority

Current Licensee: Northland Cable Ventures LLC
FROM: NORTHLAND CABLE TELEVISION, INC.
TO: NTS Communications, LLC d/b/a Vexus
No. of Station(s) listed: 1

Date Effective: 05/18/2020

Application for Authority
Grant of Authority

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

SITE ID: 1
LOCATION: 2050 Martin Avenue, Santa Clara, Santa Clara, CA
37 ° 21' 54.30" N LAT. 121 ° 57' 41.20" W LONG.

ANTENNA ID: 10 meters SED 10.0 METER

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<th>Frequency Range</th>
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<td>50400.0000 - 51400.0000 MHz</td>
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<td>M-ary PSK outroute</td>
</tr>
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Points of Communication:

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

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3850 Tower Rd, Pennington, Rapid City, SD
44 ° 2' 53.10" N LAT. 103 ° 14' 38.20" W LONG.

ANTENNA ID: 10 meters SED 10.0M

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Points of Communication:

1 - OTHER -
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 4514 Ish Drive, Ventura, Simi Valley, CA 34° 16′ 9.80″ N LAT. 118° 42′ 12.80″ W LONG.

**ANTENNA ID:** 9.2 meters

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**Points of Communication:**

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

---

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 235 E.21ST. STREET, Garfield, Rifle, CO 39° 32′ 54.20″ N LAT. 107° 46′ 53.90″ W LONG.

**ANTENNA ID:** 9.2 meters

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<td>40000.0000 - 42000.0000 MHz</td>
<td>470MG7W</td>
<td>-99.00 dBW</td>
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<td>50400.0000 - 51400.0000 MHz</td>
<td>470MG7W</td>
<td>72.00 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-20170807-00893  E  E170168  HNS License Sub, LLC**

<table>
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<th>Date Effective:</th>
<th>05/15/2020 - 05/15/2035</th>
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<td>Class of Station:</td>
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<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
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<th>SITE ID:</th>
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<tbody>
<tr>
<td>LOCATION:</td>
<td>8404 El Way, Suite 1, Missoula, Missoula, MT</td>
</tr>
<tr>
<td>LAT:</td>
<td>46 ° 56 ’ 10.30 “ N</td>
</tr>
<tr>
<td>LONG:</td>
<td>114 ° 6 ’ 53.90 “ W</td>
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**ANTENNA ID: 1**

<table>
<thead>
<tr>
<th>FREQUENCY:</th>
<th>POWER:</th>
<th>MODULATION:</th>
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<tbody>
<tr>
<td>27500.0000 - 28000.0000 MHz</td>
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**SITE ID: 1**

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### Points of Communication:

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

<table>
<thead>
<tr>
<th>Application for Authority</th>
<th>Cordova Telephone Cooperative Inc</th>
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<tr>
<td>Grant of Authority</td>
<td>05/14/2020 - 05/14/2035</td>
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</tbody>
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**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**SITE ID:** 1  
**LOCATION:** 657 Ridge Rd., Yakutat Borough, Yakutat, AK  
59 ° 33 ' 12.70 " N LAT.  
139 ° 43 ' 36.60 " W LONG.  

**ANTENNA ID:** 1  
3.8 meters  
Gen Dynamics/Prodelin  
1385  

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<tr>
<th>Frequency Range</th>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>9M80G7D</td>
<td>Digital Data carriers</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>9M80G7D</td>
<td>Digital Data carriers</td>
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### Points of Communication:

1 - EUTELSAT115WB(S2938) - (114.9 W.L.)

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<th>Application for Modification</th>
<th>Sirius XM Radio Inc.</th>
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<td>10/09/2008 - 10/09/2023</td>
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**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Satellite Digital Audio Radio Service  
**SITE ID:** 1  
**LOCATION:** 24 Vernon Crossing Road, Sussex, Vernon, NJ  
41 ° 12 ' 45.00 " N LAT.  
74 ° 29 ' 39.00 " W LONG.  

**ANTENNA ID:** 1  
7.2 meters  
General Dynamics  
N/A  

<table>
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<tr>
<th>Frequency Range</th>
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<th>Modulation Type</th>
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<tbody>
<tr>
<td>7068.0000 - 7072.5000 MHz</td>
<td>4M50G7E</td>
<td>TDM QPSK DARS PROGRAM UPLINK</td>
</tr>
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<td>7060.0000 - 7064.5000 MHz</td>
<td>4M50G7E</td>
<td>TDM QPSK DARS PROGRAM UPLINK</td>
</tr>
<tr>
<td>7055.5000 - 7056.5000 MHz</td>
<td>1M00F1D</td>
<td>PCM/PSK/FM COMMAND</td>
</tr>
<tr>
<td>7051.5000 - 7052.5000 MHz</td>
<td>1M00F1D</td>
<td>PCM/PSK/FM COMMAND</td>
</tr>
<tr>
<td>2331.8500 - 2332.1500 MHz</td>
<td>300KG1D</td>
<td>BIPHASE PCM TELEMETRY</td>
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<tr>
<td>2331.3500 - 2331.6500 MHz</td>
<td>300KG1D</td>
<td>BIPHASE PCM TELEMETRY</td>
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2328.0000 - 2332.5000 MHz 4M50G7E 0.00 dBW TDM QPSK DARS PROGRAM DOWNLINK

2320.8500 - 2321.1500 MHz 300KG1D 0.00 dBW BIPHASE PCM TELEMETRY

2320.3500 - 2320.6500 MHz 300KG1D 0.00 dBW BIPHASE PCM TELEMETRY

2320.0000 - 2324.5000 MHz 4M50G7E 0.00 dBW TDM QPSK DARS PROGRAM DOWNLINK

ANTENNA ID: 2 7.2 meters GENERAL DYNAMICS N/A

7068.0000 - 7072.0000 MHz 4M50G7E 80.00 dBW TDM QPSK DARS PROGRAM UPLINK

7060.0000 - 7064.5000 MHz 4M50G7E 80.00 dBW TDM QPSK DARS PROGRAM UPLINK

7056.8450 - 7074.8690 MHz 1M84G1W 80.00 dBW AUDIO CONTENT ANCILLARY DATA, QPSK

7055.5000 - 7056.5000 MHz 1M00F1D 80.00 dBW PCM/PSK/FM COMMAND

7051.6000 - 7052.5000 MHz 1M00F1D 80.00 dBW PCM/PSK/FM COMMAND

7042.6000 - 7074.4000 MHz 800KF2D 80.00 dBW TELEMETRY

2332.5000 - 2345.0000 MHz 100KG2D TELEMETRY

2332.5000 - 2345.0000 MHz 1M84G1W AUDIO CONTENT ANCILLARY DATA, QPSK

2328.0000 - 2332.5000 MHz 4M50G7E TDM QPSK DARS PROGRAM UPLINK

2320.0000 - 2323.5000 MHz 300KG1D BIPHASE PCM TELEMETRY

2320.0000 - 2324.5000 MHz 4M50G7E TDM QPSK DARS PROGRAM UPLINK

ANTENNA ID: G11 11.3 meters Viasat

7025.0000 - 7075.0000 MHz 800KF2D 90.20 dBW PCM/PSK/FM Command

2320.0000 - 2345.0000 MHz 100KG2D PCM Telemetry and Ranging

2320.0000 - 2345.0000 MHz 300KG1D PCM Telemetry and Ranging

2320.0000 - 2345.0000 MHz 512KG1D PCM Telemetry and Ranging

7025.0000 - 7075.0000 MHz 12M5G1E 90.20 dBW TDM QPSK DARS Program Uplink

7025.0000 - 7075.0000 MHz 1M84G1E 90.20 dBW TDM QPSK DARS Program Uplink

Page 11 of 42
90.20 dBW

TDM QPSK DARS Program Uplink

7025.000 - 7075.000 MHz

4M50G1E

2320.000 - 2345.000 MHz

12M5G1E

TDM QPSK DARS Program Downlink

2320.000 - 2345.000 MHz

1M84G1E

TDM QPSK DARS Program Downlink

2320.000 - 2345.000 MHz

4M50G1E

TDM QPSK DARS Program Downlink

ANTENNA ID: G7G8

7.3 meters

Viasat

84.80 dBW

TDM QPSK DARS Program Uplink

7025.000 - 7075.000 MHz

800KF2D

PCM/PSK/FM Command

2320.000 - 2345.000 MHz

100KG2D

PCM Telemetry and Ranging

2320.000 - 2345.000 MHz

300KG1D

PCM Telemetry and Ranging

2320.000 - 2345.000 MHz

512KG1D

PCM Telemetry and Ranging

7025.000 - 7075.000 MHz

12M5G1E

TDM QPSK DARS Program Uplink

7025.000 - 7075.000 MHz

1M84G1E

TDM QPSK DARS Program Uplink

7025.000 - 7075.000 MHz

4M50G1E

TDM QPSK DARS Program Uplink

2320.000 - 2345.000 MHz

12M5G1E

TDM QPSK DARS Program Downlink

2320.000 - 2345.000 MHz

1M84G1E

TDM QPSK DARS Program Downlink

2320.000 - 2345.000 MHz

4M50G1E

TDM QPSK DARS Program Downlink

Points of Communication:

1 - SIRIUS FM & XM SATS - (VARIOUS)

1 - SIRIUS FM 5 - (86.15 W.L.)

1 - SIRIUS FM 5 - (86.15 W.L.)

1 - SIRIUS FM 6 - (116.15 W.L)

1 - XM 1 - (115.25 W.L)

1 - XM 3 - (85.15 W.L)

1 - XM-4 - (115.25W.L)

1 - XM-5 - (85.15)

SES–REG–20180929–06853 E201472

CISCO Systems Inc.

09/29/2018 - 09/29/2033

09/29/2018

05/19/2020

Class of Station: Fixed Earth Stations

Page 12 of 42
### Nature of Service: Fixed Satellite Service

**SITE ID:** GLS

**LOCATION:** 5030 Sugarloaf Parkway, Gwinnett, Lawrenceville, GA  
33° 57’ 31.00” N LAT.  
84° 4’ 17.00” W LONG.

**LOCATION:** Prodelin / General Dynamics 3.7m

**ANTENNA ID:** 3.7M  
3.7 meters  
Prodelin / General Dynamics 1374

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>3700.0000 - 4200.0000 MHz</th>
<th>30K0G7W</th>
<th>36M0G7W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital traffic, various FEC, data rates and modulation</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
<td>36M0F7W</td>
<td>30K0F7W</td>
<td>30K0F7W</td>
</tr>
<tr>
<td>Digital / analog traffic, various FEC, data rates and modulation</td>
<td>Digital / analog traffic, various FEC, data rates and modulation</td>
<td>36M0F7W</td>
<td>30K0F7W</td>
<td>30K0F7W</td>
</tr>
</tbody>
</table>

**Points of Communication:**

GLS - PERMITTED LIST - ( )

**SES-REG-20180929-06862**  
CISCO Systems Inc.

**Registration**
**Grant of Authority**  
09/29/2018 - 09/29/2033  
Date Effective: 05/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** GLS

**LOCATION:** 5030 Sugarloaf Parkway, Gwinnett, Lawrenceville, GA  
33° 57’ 31.00” N LAT.  
84° 4’ 17.00” W LONG.

**LOCATION:** Prodelin / General Dynamics 3.7m

**ANTENNA ID:** 3.7M  
3.7 meters  
Prodelin / General Dynamics 1374

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>3700.0000 - 4200.0000 MHz</th>
<th>30K0G7W</th>
<th>36M0G7W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital traffic, various FEC, data rates and modulation</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
<td>36M0F7W</td>
<td>30K0F7W</td>
<td>30K0F7W</td>
</tr>
<tr>
<td>Digital / analog traffic, various FEC, data rates and modulation</td>
<td>Digital / analog traffic, various FEC, data rates and modulation</td>
<td>36M0F7W</td>
<td>30K0F7W</td>
<td>30K0F7W</td>
</tr>
<tr>
<td>Digital / analog traffic, various FEC, data rates and modulation</td>
<td>Digital / analog traffic, various FEC, data rates and modulation</td>
<td>36M0F7W</td>
<td>30K0F7W</td>
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</tr>
</tbody>
</table>

**Points of Communication:**

GLS - PERMITTED LIST - ( )
**SES–REG–20180929–06863**  
CISCO Systems Inc.  
Grant of Authority: 09/29/2018 - 09/29/2033  
Date Effective: 05/19/2020  

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

**SITE ID:** GLS  
**LOCATION:** 5030 Sugarloaf Parkway, Gwinnett, Lawrenceville, GA  
33 ° 57 ’ 30.00 ” N LAT. 84 ° 4 ’ 11.00 ” W LONG.

**ANTENNA ID:** 3.0M  
**SAMI:** Mesh  
**3 meters**  
**ANTENNA ID:** 36M0G7W  
**Digital traffic, various FEC, data rates and modulation**  
**3700.0000 - 4200.0000 MHz**

**ANTENNA ID:** 30K0G7W  
**Digital traffic, various FEC, data rates and modulation**  
**3700.0000 - 4200.0000 MHz**

**ANTENNA ID:** 30K0F7W  
**Digital / analog traffic, various FEC, data rates and modulation**  
**3700.0000 - 4200.0000 MHz**

**ANTENNA ID:** 36M0F7W  
**Digital / analog traffic, various FEC, data rates and modulation**  
**3700.0000 - 4200.0000 MHz**

**Points of Communication:**  
GLS - PERMITTED LIST - ()

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**SES–REG–20180930–04619**  
Bakken Beacon Media LLC  
Grant of Authority: 09/30/2018 - 09/30/2033  
Date Effective: 05/19/2020

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

**SITE ID:** 1  
**LOCATION:** 3301 S. University Dr. (WZFG Main Studio), Cass, Fargo, ND  
46 ° 49 ’ 52.05 ” N LAT. 96 ° 48 ’ 7.43 ” W LONG.

**ANTENNA ID:** ANT1  
**Prodelin:** 3.7 meter  
**3.7 meters**  
**ANTENNA ID:** 36M0G7W  
**Digital Audio**  
**3700.0000 - 4200.0000 MHz**

**Points of Communication:**  
1 - PERMITTED LIST - ()

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**SES–REG–20181011–05421**  
McGrath Publishing  
Grant of Authority: 10/11/2018 - 10/11/2033  
Date Effective: 05/15/2020

**Class of Station:** Fixed Earth Stations

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Page 14 of 42
Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 3185 E Highway 24 Beloit, Kansas, KS, Beloit, KS
39° 26' 51.70" N LAT. 98° 4' 46.80" W LONG.

ANTENNA ID: ant1 3 meters Harris #M
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181011-05935 E E200625 Coon Rapids Municipal Utilities
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 05/19/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1006 EEL Lane 123 3rd Ave South, Iowa, Coon Rapids, IA
41° 51' 40.00" N LAT. 94° 39' 28.00" W LONG.

ANTENNA ID: 1 4.6 meters Scientific Atlanta 8005
3700.0000 - 4200.0000 MHz 36M0G7W Video

ANTENNA ID: 2 2.8 meters Scientific Atlanta 9000
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

ANTENNA ID: 3 3.8 meters Comtech 3.8
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

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

ANTENNA ID: 5 3.8 meters Patriot 3.8 Commercial
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Video

SITE ID: 2
LOCATION: 123 3rd Ave South, carroll, Coon Rapids, IA
41° 52' 13.00" N LAT. 94° 40' 27.00" W LONG.

ANTENNA ID: 6 3.7 meters Scientific Atlanta 9037
Points of Communication:

1 - AMC 10 (S2432) - (135 W.L.)
1 - GALAXY 13 (S2386) - (127 W.L.)
1 - GALAXY 14 (S2385) - (125 W.L.)
1 - GALAXY 15 (S2387) - (133.1)
1 - GALAXY 17 (S2715) - (91 W.L.)
1 - GALAXY 18 (S2733) - (123 W.L.)
1 - GALAXY 3C (S2381) - (95.05 W.L.)
1 - SES-1 (S2807) - (101.0 W.L.)
1 - SES-11 (S2964) - (104.95 W.L.)
1 - SES-3 (S2892) - (103 W.L.)
2 - AMC-11(S2433) - (131 W.L.)

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** KEYL Studio
**LOCATION:** 221 Central Avenue Suite 6, Todd, Long Prairie, MN 45° 58' 25.58" N LAT. 94° 51' 42.24" W LONG.

**ANTENNA ID:** ANT1 3.7 meters Prodelin 3.7 Meter

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power</th>
<th>Antenna ID</th>
<th>Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>36M0G7W</td>
<td>Digital Audio</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>36M0G7W</td>
<td>Analog Audio</td>
</tr>
</tbody>
</table>

Points of Communication:

KEYL Studio - PERMITTED LIST - ()

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service, Other
This application appeared on Action Taken PN dated March 25, 2020 without the grant dated showing up.

SITE ID: 1
LOCATION: 11001 County Road C (Morgan County), Morgan, Hoyt, CO
40 ° 2 ' 1.00 " N LAT. 103 ° 56 ' 17.00 " W LONG.

ANTENNA ID: MC1 3.7 meters Viking Satcom P370FAE

3700.0000 - 4200.0000 MHz 36M0G7W Digital

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181015-04283 E190616 Mapleton License of Monterey, LLC
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 05/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 60 Garden Court Suite 300, California, Monterey, CA
36 ° 35 ' 5.53 " N LAT. 121 ° 51 ' 15.20 " W LONG.

ANTENNA ID: Site 1 4.5 meters AMERICAN ANTENNAS, INC TVRO- 4.5

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog & Digital Audio with associated subcarriers

ANTENNA ID: Site 2 4.5 meters AMERICAN ANTENNAS, INC TVRO-4.5

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog & Digital Audio with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181015-06075 E200766 joseph & donna bollinger ( d/b/a khcr )
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 05/19/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: studio 1
LOCATION: 1800 State Highway 47, St. Francois, Bonne Terre, MO
37 ° 55 ' 39.00 " N LAT. 90 ° 33 ' 53.00 " W LONG.

ANTENNA ID: Studio 1 3 meters Channel Master unknown
Points of Communication:

**(Points of Communication:)**

**KACN STUDIO** - PERMITTED LIST - ()

**SITE ID:** KACN STUDIO  
**LOCATION:** 1310 E 66TH AVE, ANCHORAGE, ANCHORAGE, AK  
61° 9' 38.69" N LAT.  
149° 51' 26.39" W LONG.

**ANTENNA ID:** STUDIO 1 5 meters  
**3700.0000 - 4200.0000 MHz**  
**DIGITAL VIDEO CARRIER**  
**PERMITTED LIST - ()**  
**KACN STUDIO - PERMITTED LIST - ()**

**Points of Communication: Butte LaRose - PERMITTED LIST - ()**

**SITE ID:** Butte LaRose  
**LOCATION:** 1725 Herman Dupuis Rd, St. Martin, Breaux Bridge, LA  
30° 16' 43.70" N LAT.  
91° 41' 13.60" W LONG.

**ANTENNA ID:** antenna 6 3 meters  
**Model 3**

**Points of Communication: COVENANT NETWORK - PERMITTED LIST - ()**

**SITE ID:** COVENANT NETWORK  
**LOCATION:** 10640 Hwy 16, Breaux Bridge, LA  
30° 16' 43.70" N LAT.  
91° 41' 13.60" W LONG.

**ANTENNA ID:** antenna 6 3 meters  
**Model 3**

**Points of Communication: COVENANT NETWORK - PERMITTED LIST - ()**

**SITE ID:** COVENANT NETWORK  
**LOCATION:** 10640 Hwy 16, Breaux Bridge, LA  
30° 16' 43.70" N LAT.  
91° 41' 13.60" W LONG.

**ANTENNA ID:** antenna 6 3 meters  
**Model 3**
Nature of Service: Fixed Satellite Service

SITE ID: KHOJ Xmit Site
LOCATION: 3713 MO Hwy 94, St. Charles, St. Charles, MO
38° 50' 7.75" N LAT. 90° 28' 6.51" W LONG.

ANTENNA ID: NT1 3 meters Unimesh Unknown

3700.0000 - 4200.0000 MHz 36M0G7W Digital and Analog Video with associated audio subcarriers

Points of Communication:

KHOJ Xmit Site - PERMITTED LIST - ()

SES–REG–20181016–06161 E200849 Scottsboro Electric Power Board
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 05/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 404 East Willow St., Jackson, Scottsboro, AL
34° 40' 25.30" N LAT. 86° 1' 33.90" W LONG.

ANTENNA ID: Site 1 5 meters Simulsat 5M

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

Points of Communication:

Site 1 - PERMITTED LIST - ()

Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 05/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KQOH Transmit Site
LOCATION: 6987 E Farm Road 80, Webster, Strafford, MO
37° 17' 45.00" N LAT. 93° 8' 27.00" W LONG.

ANTENNA ID: ANTI 3.7 meters Prodelin 1374-995

3700.0000 - 4200.0000 MHz 36M0G7W Digital and Analog Video with associated audio subcarriers

Points of Communication:
<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>
<th>SITE ID</th>
<th>LOCATION</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>Site ID</th>
<th>LOCATION</th>
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</thead>
<tbody>
<tr>
<td>E200858</td>
<td>10/16/2018 - 10/16/2033</td>
<td>05/15/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>KMVG Xmit Site</td>
<td>end of Hughes Road, Clay, Kansas City, MO</td>
<td>39 ° 11' 4.00&quot; N LAT.</td>
<td>94 ° 27' 29.00&quot; W LONG.</td>
<td>Prodelin</td>
<td>1374-995</td>
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<td>E200860</td>
<td>10/16/2018 - 10/16/2033</td>
<td>05/15/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>KALS Studio</td>
<td>106 Cooperative Way, Flathead, Kalispell, MT</td>
<td>48 ° 14' 21.50&quot; N LAT.</td>
<td>114 ° 16' 48.70&quot; W LONG.</td>
<td>Scientific Atlanta</td>
<td>Series 9000</td>
</tr>
<tr>
<td>E200861</td>
<td>10/16/2018 - 10/16/2033</td>
<td>05/15/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>KPHN Transmit Site</td>
<td>1612 S. E. River Road, Butler, El Dorado, KS</td>
<td>37 ° 48' 52.00&quot; N LAT.</td>
<td>96 ° 48' 52.00&quot; W LONG.</td>
<td>Catholic Radio Network, Inc.</td>
<td></td>
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</table>
ANTENNA ID: ANT1 3.7 meters Prodelin 1374-995
3700.0000 - 4200.0000 MHz 36M0G7W Digital and Analog Video with associated audio subcarriers

Points of Communication:

KPHN Transmit Site - PERMITTED LIST - ()

SES-REG-20181016-06181 E E200869 Nelson TV, Inc.
Registration 10/16/2018 - 10/16/2033
Grant of Authority

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

SITE ID: WSPY TV Station
LOCATION: 16524 Frazier Road, Kendall, Plano, IL
41° 39' 54.59" N LAT. 88° 34' 35.10" W LONG.

ANTENNA ID: Ant 1 3.65 meters Scientific Atlanta unknown
3700.0000 - 4200.0000 MHz 6M00C7W digital audio and video

Points of Communication:

WSPY TV Station - PERMITTED LIST - ()

SES-REG-20181016-06182 E E200870 Boswell Radio, LLC
Registration 10/16/2018 - 10/16/2033
Grant of Authority

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

SITE ID: wlin-studio
LOCATION: 1 Golf Course Rd, Attala, Kosciusko, MS
33° 3' 50.65" N LAT. 89° 36' 12.38" W LONG.

ANTENNA ID: koz-1 3.7 meters Patriot 12-ft fiberglass
3700.0000 - 4200.0000 MHz 36M0G7W QPSK modulation, digital audio and video data

ANTENNA ID: koz-2 3 meters channel master 10-ft mesh
3700.0000 - 4200.0000 MHz 36M0G7W QPSK modulation, digital audio and video data

Points of Communication:

wlin-studio - PERMITTED LIST - ()
Dick Broadcasting Company, Inc., Of Tennessee

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Greensboro
LOCATION: 192 East Lewis Street, Guilford, Greensboro, NC
36°3'55.70" N LAT. 79°47'23.80" W LONG.

ANTENNA ID: 1 3 meters Harris 3.0 Meter

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data/Digital Audio

Points of Communication: Greensboro - PERMITTED LIST - ()

UB Louisville, LLC

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Studio roof
LOCATION: 337 West Cardinal Blvd, Jefferson, Louisville, KY
38°13'15.54" N LAT. 85°45'45.12" W LONG.

ANTENNA ID: ANT1 3.3 meters Unknown Unknown

3700.0000 - 4200.0000 MHz 30M0G7W Audio

Points of Communication: Studio roof - PERMITTED LIST - ()

Iowa City Broadcasting Company, Inc.

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KGLB Studio Location
LOCATION: 911 Hennepin Ave #101, Mcleod, Glencoe, MN
44°46'39.59" N LAT. 94°7'40.98" W LONG.

ANTENNA ID: ant1 3.8 meters Comtech 3.8 meter dual axis
Points of Communication:

KGLB Studio Location - PERMITTED LIST - ()

Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 05/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 3999 South Las Vegas Blvd Suite K, Clark, Las Vegas, NV
36 ° 5 ’ 24.67 ” N LAT. 115 ° 10 ’ 19.77 ” W LONG.

ANTENNA ID: 9092064 4.5 meters Patriot Antenna Systems pxJ-2

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Analog Audio

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES–REG–20181016–06236 E E200916 COVENANT NETWORK
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 05/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WIHM-FM Xmit Site
LOCATION: 1732 US Hwy 45, Saline, Harrisburg, IL
37 ° 43 ’ 3.50 ” N LAT. 88 ° 32 ’ 35.80 ” W LONG.

ANTENNA ID: ANT1 3 meters Unknown Unknown

3700.0000 - 4200.0000 MHz 36M0G7W Digital and Analog Video with associated audio subcarriers

Points of Communication:

WIHM-FM Xmit Site - PERMITTED LIST - ()

Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 05/15/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>Gallup</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>300 W Aztec Ave Suite 200, McKinley, Gallup, NM</td>
</tr>
<tr>
<td>LAT.</td>
<td>35° 31' 33.50&quot; N</td>
</tr>
<tr>
<td>LONG.</td>
<td>108° 44' 37.70&quot; W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>ANTI</th>
<th>3.8 meters</th>
<th>Comtech</th>
<th>945-537 6</th>
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<tbody>
<tr>
<td>ANT. Freq:</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30M0G7W</td>
<td>0.00 dBW</td>
<td>Digital Vido</td>
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<td>ANT. Freq:</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0F8F</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
</tbody>
</table>

**Points of Communication:**

Gallup - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th></th>
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<td>Registration</td>
<td>10/16/2018 - 10/16/2033</td>
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<tr>
<td>Grant of Authority</td>
<td>Date Effective: 05/15/2020</td>
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</tr>
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</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>Barling Studio</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>1912 Church Street, Sebastian, Barling, AR</td>
</tr>
<tr>
<td>LAT.</td>
<td>35° 19' 24.10&quot; N</td>
</tr>
<tr>
<td>LONG.</td>
<td>94° 19' 1.90&quot; W</td>
</tr>
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<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>3.7m</th>
<th>3.7 meters</th>
<th>Prodelin</th>
<th>UniMesh</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT. Freq:</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
</tbody>
</table>

**Points of Communication:**

Barling Studio - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Registration</td>
<td>10/16/2018 - 10/16/2033</td>
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<tr>
<td>Grant of Authority</td>
<td>Date Effective: 05/15/2020</td>
<td></td>
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</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

<table>
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<tr>
<th>SITE ID:</th>
<th>Site 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>210 East Main Street, Union, Union, SC</td>
</tr>
<tr>
<td>LAT.</td>
<td>34° 42' 54.24&quot; N</td>
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<tr>
<td>LONG.</td>
<td>81° 37' 19.08&quot; W</td>
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<tr>
<th>ANTENNA ID:</th>
<th>AFC1</th>
<th>3.66 meters</th>
<th>Antennas for Communications, Inc.</th>
<th>AFC PR 12</th>
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<td>ANT. Freq:</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>digital audio</td>
</tr>
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**Points of Communication:**

Site 1 - PERMITTED LIST - ()
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<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTELLA ID</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTELLA ID</th>
<th>Points of Communication</th>
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<tbody>
<tr>
<td>E200959</td>
<td>10/16/2018 - 10/16/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>Carson City</td>
<td>361 Fairview Dr, Carson City, Carson City, NV</td>
<td>39° 8' 57.20&quot; N LAT. 119° 45' 52.50&quot; W LONG.</td>
<td>1</td>
<td>2.8 meters Scientific Atlanta 9000</td>
<td>3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW</td>
<td>Digital video, audio and data</td>
</tr>
<tr>
<td>E200960</td>
<td>10/16/2018 - 10/16/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>Hopkinsville</td>
<td>220 Buttermilk Rd., Christian, Hopkinsville, KY</td>
<td>36° 52' 54.00&quot; N LAT. 87° 30' 44.00&quot; W LONG.</td>
<td>1</td>
<td>3.8 meters Comtech 3.8 Meter EL AZ</td>
<td>3700.0000 - 4200.0000 MHz 36M0G7W</td>
<td>Digital Audio and Video</td>
</tr>
<tr>
<td>E200961</td>
<td>10/16/2018 - 10/16/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>KMRY Studio</td>
<td>1957 Blairs Ferry Rd NE, Linn, Cedar Rapids, IA</td>
<td>42° 2' 0.94&quot; N LAT. 91° 40' 1.00&quot; W LONG.</td>
<td>Com 3.8M</td>
<td>3.8 meters Comtech</td>
<td>934D0015-G2</td>
<td></td>
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</table>

Carson City - PERMITTED LIST - ()

Hopkinsville - PERMITTED LIST - ()

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

| Registration | The Evans Broadcast Company, Inc. | 10/16/2018 - 10/16/2033 |
| Grant of Authority |  | Date Effective: 05/18/2020 |

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

| SITE ID: | Reno |
| LOCATION: | 1755 E Plumb Ln, Washoe, Reno, NV |
| LAT. LONG. | 39° 30' 23.70" N 119° 46' 45.20" W |

| ANTENNA ID: | 1 3 meters DAWNCO D30F48 |
| MHz | 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW |
|  |
| Digital video, audio and data |

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

| Registration | Iowa City Broadcasting Company, Inc. | 10/16/2018 - 10/16/2033 |
| Grant of Authority |  | Date Effective: 05/18/2020 |

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

| SITE ID: | KTRF Studio Location |
| LOCATION: | 1433 Main Avenue North, United States, Thief River Falls, MN |
| LAT. LONG. | 48° 7' 58.20" N 96° 10' 55.80" W |

| ANTENNA ID: | ant1 3.8 meters Comtech 3.8 dual axis |
| MHz | 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW |
|  |
| Analog video/audio with subcarries |

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

| Registration | Dana R Withers | 10/16/2018 - 10/16/2033 |
| Grant of Authority |  | Date Effective: 05/18/2020 |

| Class of Station: | Fixed Earth Stations |
| Nature of Service: | Fixed Satellite Service |
WNSV Studio

LOCATION: 186 East St. Louis Street, Washington, Nashville, IL
38 ° 20 ' 36.17 " N LAT. 89 ° 22 ' 54.99 " W LONG.

Antenna Details:
ANTENNA ID: ANT1 3.7 meters Channel Master 12R
3700.0000 - 4200.0000 MHz 36M0G7W QPSK modulation, digital audio and video data

Points of Communication:

WNSV Studio - PERMITTED LIST - ()

SES-REG-20181016-06441 E E201082 NTS Communications, LLC d/b/a Vexus
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 05/15/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

Points of Communication:

Colorado City

LOCATION: 770 West Interstate 20 Frontage RD, Mitchell, Colorado City, TX
32 ° 24 ' 46.36 " N LAT. 100 ° 52 ' 8.20 " W LONG.

Antenna Details:
ANTENNA ID: CCity1-4 3.8 meters N/A N/A
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video
ANTENNA ID: CCity5 5 meters Patriot N/A
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video
ANTENNA ID: CCity6 2.5 meters N/A N/A
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

Colorado City - PERMITTED LIST - ()

SES-REG-20181016-06465 E E201108 Master Vision
Registration 10/16/2018 - 10/16/2033
Grant of Authority Date Effective: 05/19/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

Points of Communication:

Site 1

LOCATION: Crawford, Union City, PA
41 ° 49 ' 45.00 " N LAT. 79 ° 49 ' 57.00 " W LONG.

Antenna Details:
ANTENNA ID: ANT 1 3.7 meters American Antennas, Inc TVRO 3.7

Page 27 of 42
Points of Communication:

Site 1 - PERMITTED LIST - ()

SES–REG–20181016–06485 E201128 DIRECTV Enterprises, LLC
Registration Grant of Authority 10/16/2018 - 10/16/2033
Class of Station: Fixed Earth Stations
Date Effective: 05/19/2020
Nature of Service: Fixed Satellite Service

SITE ID: LABC
LOCATION: 12800 Culver Blvd., Los Angeles, CA
33° 58’ 57.70” N LAT. 118° 25’ 30.00” W LONG.

ANTENNA ID: TVRO 12 6.1 meters VERTEX-RSI Unknown
3700.0000 - 4200.0000 MHz 36M0G7W Video

ANTENNA ID: Ant 26 4.5 meters ANDREWS Unknown
3700.0000 - 4200.0000 MHz 36M0G7W Video

ANTENNA ID: Ant 25 4.5 meters ANDREWS Unknown
<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Provider</th>
<th>Antenna ID</th>
<th>Height</th>
<th>Antenna</th>
<th>ID</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>Site Location</th>
<th>Location</th>
<th>Registration</th>
<th>Date Effective</th>
<th>Grant of Authority</th>
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<th>Date Effective</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>Site ID</th>
<th>Location</th>
<th>Registration</th>
<th>Date Effective</th>
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<th>Date Effective</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>Site ID</th>
<th>Location</th>
<th>Registration</th>
<th>Date Effective</th>
<th>Grant of Authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Video</td>
<td>36M0G7W</td>
<td>4.5 meters</td>
<td>Scientific Atlanta</td>
<td>Unknown</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>Site ID:</td>
<td>Location:</td>
<td>Registration</td>
<td>Date Effective</td>
<td>Grant of Authority</td>
<td>Registration</td>
<td>Date Effective</td>
<td>Grant of Authority</td>
<td>Class of Station</td>
<td>Nature of Service</td>
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<td>Nature of Service</td>
<td>Site ID</td>
<td>Location</td>
<td>Registration</td>
<td>Date Effective</td>
<td>Grant of Authority</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Video</td>
<td>36M0G7W</td>
<td>6.1 meters</td>
<td>VERTEX-RSI</td>
<td>Unknown</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>SITE ID:</td>
<td>LOCATION:</td>
<td>Registration</td>
<td>Date Effective</td>
<td>Grant of Authority</td>
<td>Registration</td>
<td>Date Effective</td>
<td>Grant of Authority</td>
<td>Class of Station</td>
<td>Nature of Service</td>
<td>Site ID</td>
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<td>Date Effective</td>
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<td>Date Effective</td>
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<td>Class of Station</td>
<td>Nature of Service</td>
<td>Site ID</td>
<td>Location</td>
<td>Registration</td>
<td>Date Effective</td>
<td>Grant of Authority</td>
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<td>ANT1</td>
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<td>0.00 dBW</td>
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<td>ANT2</td>
<td>Wineguard</td>
<td>5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video</td>
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</tr>
</tbody>
</table>

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES-REG-20181017-06065</th>
<th>E200756</th>
<th>Knology of Columbus, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td>10/15/2018 - 10/15/2033</td>
<td></td>
</tr>
<tr>
<td>Grant of Authority</td>
<td>Date Effective: 05/18/2020</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:** Knology Columbus

**LOCATION:** 1701 Boxwood PL, Muscogee, Columbus, GA

32 ° 28 ' 35.83 " N LAT. 84 ° 56 ' 27.90 " W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Type</th>
<th>Antenna ID</th>
<th>Frequency</th>
<th>Power</th>
<th>Service</th>
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</thead>
<tbody>
<tr>
<td>SAT1</td>
<td>Antenna</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>digital signals</td>
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**Points of Communication:**

Knology Columbus - PERMITTED LIST - ()

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<th>E200759</th>
<th>Knology of Huntsville, Inc.</th>
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</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:** 2401 10th Street, Madison, Huntsville, AL

34 ° 42 ' 53.52 " N LAT. 86 ° 36 ' 45.37 " W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Type</th>
<th>Antenna ID</th>
<th>Frequency</th>
<th>Power</th>
<th>Service</th>
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</thead>
<tbody>
<tr>
<td>Sat1</td>
<td>ACTi</td>
<td>7 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>digital signals</td>
</tr>
<tr>
<td>Sat2</td>
<td>Scientific Atlanta</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>digital signals</td>
</tr>
<tr>
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<td>Date Effective</td>
<td>Class of Station</td>
<td>Nature of Service</td>
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<td>SES-REG-20181017-06469</td>
<td>10/16/2018 - 10/16/2033</td>
<td>05/19/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<td>SES-REG-20181017-06806</td>
<td>10/17/2018 - 10/17/2033</td>
<td>05/19/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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</tr>
</tbody>
</table>

**Site ID:** Station Home  
**Location:** 313 E. Montezuma Ave, Houghton, Houghton, MI  
**Coordinate:** 47° 7' 15.30" N LAT. 88° 34' 10.80" W LONG.  
**Antenna ID:** HCBC1  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Audio:** 36M0G7W

**Points of Communication:**  
Station Home - PERMITTED LIST - ()

**Site ID:** KPRX  
**Location:** 14528 Round Mountain Rd, Kern, Bakersfield, CA  
**Coordinate:** 35° 29’ 10.00” N LAT. 118° 53’ 20.00” W LONG.  
**Antenna ID:** 2.4M  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Digital traffic, various FEC, data rates and modulation:** 36M0G7W

**Points of Communication:**  
KPRX - PERMITTED LIST - ()
**CLASS OF STATION:** Fixed Earth Stations  
**NATURE OF SERVICE:** Fixed Satellite Service

**SITE ID:** Pensacola  
**LOCATION:** 2070 N. Palafox Rd, Pensacola, FL  
30 ° 26 ’ 0.00 ” N LAT.  
87 ° 13 ’ 10.00 ” W LONG.

**ANTENNA ID:** 3m  
3 meters  
Patriot  
3.0 meter

**FREQUENCY:** 3700.0000 - 4200.0000 MHz  
**BEACON ID:** 36M0G7W  
**TYPE OF COMMUNICATION:** Digital Data Carrier

**POINTS OF COMMUNICATION:**  
Pensacola - PERMITTED LIST - ()

---

**CLASS OF STATION:** Fixed Earth Stations  
**NATURE OF SERVICE:** Fixed Satellite Service

**SITE ID:** Colonial Heights  
**LOCATION:** 2701 Conduit Road, Colonial Heights, Colonial Heights, VA  
37 ° 15 ’ 31.00 ” N LAT.  
77 ° 23 ’ 39.00 ” W LONG.

**ANTENNA ID:** 3m  
3 meters  
Patriot  
3.0 meter

**FREQUENCY:** 3700.0000 - 4200.0000 MHz  
**BEACON ID:** 36M0G7W  
**TYPE OF COMMUNICATION:** Digital Data Carrier

**POINTS OF COMMUNICATION:**  
Colonial Heights - PERMITTED LIST - ()

---

**CLASS OF STATION:** Fixed Earth Stations  
**NATURE OF SERVICE:** Fixed Satellite Service

**SITE ID:** Indianapolis  
**LOCATION:** 4802 E. 62nd Street, Indianapolis, IN  
39 ° 57 ’ 11.00 ” N LAT.  
86 ° 5 ’ 15.00 ” W LONG.

**ANTENNA ID:** 3m  
3 meters  
Patriot  
3.0 meter
### Points of Communication:

**Indianapolis - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>SES–REG—20181017–06891</th>
<th>E201505</th>
<th>Wilkins Communications Network, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td></td>
<td>10/17/2018 - 10/17/2033</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective: 05/18/2020</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Augusta

**LOCATION:** 552 Laney Walker Ext., Augusta, GA

33° 27' 19.00" N LAT. 81° 56' 18.00" W LONG.

**ANTENNA ID:** 3m 3 meters Patriot 3.0 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Data Carrier

### Points of Communication:

**Augusta - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>SES–REG—20181017–06892</th>
<th>E201506</th>
<th>Radio Training Network Inc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td></td>
<td>10/17/2018 - 10/17/2033</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective: 05/18/2020</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** WLFJ-FM Studio

**LOCATION:** 2420 Wade Hampton Blvd, Greenville, Greenville, SC

34° 53' 31.40" N LAT. 82° 20' 41.50" W LONG.

**ANTENNA ID:** Com3.8M 3.8 meters Comtech 3.8M

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Data

3700.0000 - 4200.0000 MHz 30K0G7W 0.00 dBW Digital Audio and Data

3700.0000 - 4200.0000 MHz 2M45G7W 0.00 dBW DVB-S Receive Digital Audio and Data

### Points of Communication:

**WLFJ-FM Studio - PERMITTED LIST - ()**
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**ANTENNA ID:**

<table>
<thead>
<tr>
<th>Site</th>
<th>ID</th>
<th>Size</th>
<th>Location</th>
<th>Modulation &amp; Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.8 meters</td>
<td>Comtech Antenna</td>
<td>3.8m Solid</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3 meters</td>
<td>Harris</td>
<td>E50 Modulation and Services Digital Video</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>3 meters</td>
<td>Scientific Atlanta</td>
<td>E50 Modulation and Services Digital Video</td>
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</table>

**Points of Communication:**

- Site 1 - PERMITTED LIST - ()

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**ANTENNA ID:**

<table>
<thead>
<tr>
<th>Site</th>
<th>ID</th>
<th>Size</th>
<th>Location</th>
<th>Modulation &amp; Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT 1</td>
<td>3.8 meters</td>
<td>Comtech</td>
<td>Digital video, audio, and data</td>
<td></td>
</tr>
</tbody>
</table>

**Points of Communication:**

- WLOH - PERMITTED LIST - ()

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**ANTENNA ID:**

<table>
<thead>
<tr>
<th>Site</th>
<th>ID</th>
<th>Size</th>
<th>Location</th>
<th>Modulation &amp; Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>36mG7W</td>
<td>0.00 dBW</td>
<td>Digital video, audio, and data</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Points of Communication:**

- Montana Broadcast Communications, Inc.

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**ANTENNA ID:**

<table>
<thead>
<tr>
<th>Site</th>
<th>ID</th>
<th>Size</th>
<th>Location</th>
<th>Modulation &amp; Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>36mG7W</td>
<td>0.00 dBW</td>
<td>Digital video, audio, and data</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Nature of Service:** Fixed Satellite Service

**SITE ID:** KXLO Studio
**LOCATION:** 620 NE Main Street, Fergus, Lewistown, MT
47° 4' 13.50" N LAT. 109° 24' 37.30" W LONG.

**ANTENNA ID:** ANTI 3.7 meters Channel Master 3.7 meter
3700.0000 - 4200.0000 MHz 36M0G7W QPSK Digital Video and Digital Aural

**Points of Communication:**

**SES-REG-20181022-06897**  E  E201510  SEVEN BRIDGES RADIO, LLC
Registration Grant of Authority
Date Effective: 05/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Ant-1
**LOCATION:** 9117 Hogan Road, Duval, Jacksonville, FL
30° 16' 37.00" N LAT. 81° 33' 45.00" W LONG.

**ANTENNA ID:** Ant 1 3.8 meters Patriot 3.8 m Solid
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation Services Digital Video & Audio

**Points of Communication:**

**SES-REG-20181024-06887**  E  E201501  Warwick Communications, Inc.
Registration Grant of Authority
Date Effective: 05/18/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** KETK Studio
**LOCATION:** 4300 Richmond Road, Smith, Tyler, TX
32° 18' 9.40" N LAT. 95° 18' 27.60" W LONG.

**ANTENNA ID:** Dish 5, 8 4.5 meters Andrew Unknown
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW PSK, Digital video with assoc. digital audio/data

**Points of Communication:**
<table>
<thead>
<tr>
<th>Service Request</th>
<th>Grant Authority Date</th>
<th>Station Class</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>ANTENNA TECH</th>
<th>Points of Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-RWL-20191007-01794</td>
<td>09/10/2019 - 09/10/2034</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>2917 ESKRIDGE RD, FAIRFAX, FAIRFAX, VA</td>
<td>5.0AN</td>
<td>5 meters</td>
<td>SIMULSAT 5M</td>
</tr>
<tr>
<td>SES-RWL-20200124-00497</td>
<td>01/18/2020 - 01/18/2035</td>
<td>Fixed Earth Stations</td>
<td>Domestic Fixed Satellite Service</td>
<td>1</td>
<td>MARICOPA, PHOENIX, AZ</td>
<td>1</td>
<td>5 meters</td>
<td>SIMULSAT/ATC</td>
</tr>
<tr>
<td>SES-RWL-20200409-00387</td>
<td>06/07/2020 - 06/07/2035</td>
<td>Fixed Earth Stations</td>
<td>Direct Broadcast Satellite Service, Other</td>
<td>GT7 &amp; GT8</td>
<td>800 North America Sky Blvd., Maricopa, Gilbert, AZ</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANTENNA ID:</td>
<td>GT7</td>
<td>13.2 meters</td>
<td>Vertex/TIW</td>
<td>13.2 Meter</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>
<td></td>
</tr>
<tr>
<td>17790.0000 - 17800.0000 MHz</td>
<td>800KG2D</td>
<td>82.10 dBW</td>
<td>Telecommand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17300.0000 - 17800.0000 MHz</td>
<td>300KG7D -</td>
<td>82.10 dBW</td>
<td>Data Carrier</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17300.0000 - 17800.0000 MHz</td>
<td>24M0G7W</td>
<td>87.40 dBW</td>
<td>Data Carrier</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17300.0000 - 17310.0000 MHz</td>
<td>800KG2D</td>
<td>82.10 dBW</td>
<td>Telecommand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12690.0000 - 12700.0000 MHz</td>
<td>800KG2D</td>
<td>82.10 dBW</td>
<td>Telemetry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12200.0000 - 12700.0000 MHz</td>
<td>24M0G7W</td>
<td>82.10 dBW</td>
<td>Data Carrier</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12200.0000 - 12700.0000 MHz</td>
<td>300KG7D -</td>
<td>82.10 dBW</td>
<td>Data Carrier</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12200.0000 - 12210.0000 MHz</td>
<td>800KG2D</td>
<td>82.10 dBW</td>
<td>Telemetry</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>GT8</th>
<th>13.2 meters</th>
<th>Vertex/TIW</th>
<th>13.2 Meter</th>
</tr>
</thead>
<tbody>
<tr>
<td>17790.0000 - 17800.0000 MHz</td>
<td>800KG2D</td>
<td>82.10 dBW</td>
<td>Telecommand</td>
<td></td>
</tr>
<tr>
<td>17300.0000 - 17800.0000 MHz</td>
<td>300KG7D -</td>
<td>82.10 dBW</td>
<td>Data Carrier</td>
<td></td>
</tr>
<tr>
<td>17300.0000 - 17800.0000 MHz</td>
<td>24M0G7W</td>
<td>87.40 dBW</td>
<td>Data Carrier</td>
<td></td>
</tr>
<tr>
<td>17300.0000 - 17310.0000 MHz</td>
<td>800KG2D</td>
<td>82.10 dBW</td>
<td>Telecommand</td>
<td></td>
</tr>
<tr>
<td>12690.0000 - 12700.0000 MHz</td>
<td>800KG2D</td>
<td>82.10 dBW</td>
<td>Telemetry</td>
<td></td>
</tr>
<tr>
<td>12200.0000 - 12700.0000 MHz</td>
<td>24M0G7W</td>
<td>82.10 dBW</td>
<td>Data Carrier</td>
<td></td>
</tr>
<tr>
<td>12200.0000 - 12210.0000 MHz</td>
<td>800KG2D</td>
<td>82.10 dBW</td>
<td>Telemetry</td>
<td></td>
</tr>
</tbody>
</table>

Points of Communication:

GT7 & GT8 - CIEL 2 - (128.85 W.L)
GT7 & GT8 - ECHOSTAR/DISH - ()
GT7 & GT8 - QUETZSAT-1 - (77.00 W.L.)

**SES–BKL–20200422–00436** E WK59 Board of Trustees of the University of Illinois
Renewal Grant of Authority 06/28/2020 - 06/28/2035
Class of Station: Fixed Earth Stations
Nature of Service: Domestic Fixed Satellite Service
<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>SANGAMON, SPRINGFIELD, IL</td>
</tr>
<tr>
<td>LAT.:</td>
<td>39° 43’ 42.00” N</td>
</tr>
<tr>
<td>LONG.:</td>
<td>89° 36’ 52.00” W</td>
</tr>
</tbody>
</table>

**Antenna Details**

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Type</th>
<th>Frequency Range</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.5 meters</td>
<td>ROCKWELL SPECIFIED</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>200KP9E</td>
</tr>
<tr>
<td>1</td>
<td>4.5 meters</td>
<td>STANDARD ANTENNA</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30KOF9D</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<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-RWL-20200511-00519</td>
<td>07/07/2020 - 07/07/2035</td>
<td>Temporary Fixed Earth Station</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>Renewal</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Antenna Details**

<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>VARIOUS</td>
</tr>
<tr>
<td>LAT.:</td>
<td>41° 53’ 25.00” N</td>
</tr>
<tr>
<td>LONG.:</td>
<td>87° 37’ 17.00” W</td>
</tr>
</tbody>
</table>

**Antenna Details**

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Type</th>
<th>Frequency Range</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.2 meters</td>
<td>VERTEX</td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>5M00G7W</td>
</tr>
<tr>
<td>1</td>
<td>1.2 meters</td>
<td>2.4 DMK</td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>15M0G7W</td>
</tr>
<tr>
<td>1</td>
<td>1.2 meters</td>
<td>2.4 DMK</td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>5M00G7W</td>
</tr>
<tr>
<td>1</td>
<td>1.2 meters</td>
<td>2.4 DMK</td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>15M0G7W</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<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-RWL-20200511-00521</td>
<td>05/24/2020 - 05/24/2035</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>Renewal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>Antenna ID</td>
<td>Power</td>
<td>Service Type</td>
</tr>
<tr>
<td>-----------------</td>
<td>-----------</td>
<td>-------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>112KG1D</td>
<td>57.00 dBW</td>
<td>PSK PRIVAT DATA</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0F8F</td>
<td>78.00 dBW</td>
<td>ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>4M00G7F</td>
<td>70.00 dBW</td>
<td>PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0G7W</td>
<td>78.00 dBW</td>
<td>NULL</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>256KG1D</td>
<td>PSK PRIVAT DATA</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0F8F</td>
<td>ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>4M00G7F</td>
<td>PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0G7W</td>
<td>NULL</td>
<td></td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()

---

**Grant of Authority**

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

**Location:**

- **SITE ID:** 1
- **LOCATION:** 7580 Commerce Center Drive, Orange, Orlando, FL
  - 28° 27' 12.00" N LAT.
  - 81° 27' 23.30" W LONG.

**Antenna Details:**

- **ANTENNA ID:** 1
- **ANTENNA DIMENSIONS:** 9 meters
- **Location:** Vertex

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>36M0G7W</td>
<td>76.00 dBW</td>
<td>Digital Video and Audio</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>36M0F8W</td>
<td>76.00 dBW</td>
<td>Analog Video with Associated Audio Subcarriers</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital Video and Audio</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0F8W</td>
<td>Analog Video with Associated Audio Subcarriers</td>
<td></td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()
<table>
<thead>
<tr>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>ANTENNA Size</th>
<th>Frequency</th>
<th>Mode</th>
<th>Tsps of Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Renewal</td>
<td>06/15/2020 - 06/15/2035</td>
<td>Temporary Fixed Earth Station</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>Vertex</td>
<td>1.5 SMK-LT</td>
<td>1.5 meters</td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>24M0G7F</td>
<td>62.24 dBW</td>
</tr>
<tr>
<td>Renewal</td>
<td>05/24/2020 - 05/24/2035</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>HARRIS</td>
<td>5363</td>
<td>11 meters</td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0G7W</td>
<td>78.00 dBW</td>
</tr>
<tr>
<td>Renewal</td>
<td>07/11/2020 - 07/11/2035</td>
<td>Temporary Fixed Earth Station</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>Salinas, CA</td>
<td>1200</td>
<td>1.2 meters</td>
<td>903 N. Main Street, Salinas, CA</td>
<td>AvL Technology</td>
<td></td>
</tr>
</tbody>
</table>
One 36 Mbit MCPC digital carrier for voice/data transmission.

Points of Communication:

1 - PERMITTED LIST - ()

SES-BNL-20200513-00529 E E950186 NBC Telemundo License LLC
Renewal Grant of Authority Date Effective: 04/21/2020 - 04/21/2035
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
SITE ID: 1
LOCATION: 177 U.S. HIGHWAY 41 EAST, MARQUETTE, NEGAUNEE, MI
46 ° 31 ’ 49.11 ” N LAT. 87 ° 33 ’ 10.09 ” W LONG.
ANTENNA ID: 1 6.1 meters HARRIS 5346
14000.0000 - 14500.0000 MHz 36M0G7W 78.60 dBW DIGITAL COMPRESSED VIDEO
11700.0000 - 12200.0000 MHz 36M0G7W DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-STA-20200227-00205 E E080100 Global Eagle Telecom Licensing Subsidiary LLC
Special Temporary Authority Grant of Authority Date Effective: 05/15/2020
Class of Station:

On May 15, 2020, Global Eagle Telecom Licensing Subsidiary LLC, was granted special temporary authority for 180 days, beginning May 15, 2020, to operate its fixed earth station in Dallas, TX 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 11450-12200 MHz (space-to-Earth) frequency band. A waiver of U.S. footnote NG52 is requested for the 11.45-11.7 GHz portion of the band.

Points of Communication:

SES-STA-20200501-00476 E E120106 AC BidCo LLC
Special Temporary Authority Grant of Authority Date Effective: 05/14/2020
Class of Station:

On May 14, 2020, AC BidCo LLC (AC BidCo), was granted special temporary authority for 60 days, beginning May 15, 2020, to operate up to 100 AeroSat model HR6400 ESAA terminals and up to 100 ThinKom model 2Ku terminals with the Intelsat 901 satellite in the 14-14.5 GHz (Earth-to-space) and the 10.95-11.2 GHz and 11.45-11.7 GHz (space-to-Earth) frequency bands; and the Intelsat 32e payload on the SKY-B1 satellite in the 14-14.5 GHz (Earth-to-space) and the 11.7-12.2 GHz (space-to-Earth) frequency bands on a non-protected and non-interference basis and without prejudice to action on IBFS File No. SES-MFS-20200501-00470.
<table>
<thead>
<tr>
<th>Dismissal</th>
<th>E191660</th>
<th>Cordova Telephone Cooperative Inc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application is dismissed. IBFS File Nos. SES-LIC-20191217-01740 has been granted.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SURRENDER</td>
<td>E181931</td>
<td>KSYE 88.7FM The Call, Inc.</td>
</tr>
<tr>
<td>Failure to respond to requests for information.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SURRENDER</td>
<td>E190092</td>
<td>Intelsat License LLC</td>
</tr>
<tr>
<td>License surrendered by letter filed on May 14, 2020.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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