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

<table>
<thead>
<tr>
<th>Report No. SES-02229</th>
<th>Monday December 30, 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Satellite Communications Services Information</strong></td>
<td><strong>re: Actions Taken</strong></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>SES–ASG–20191206–01644</th>
<th>E070263</th>
<th>KTXL, LLC (d/b/a c/o Nexstar Media Group, Inc.)</th>
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</thead>
<tbody>
<tr>
<td>Application for Consent to Assignment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grant of Authority</td>
<td>Date Effective: 12/23/2019</td>
<td></td>
</tr>
<tr>
<td>Current Licensee: KTXL, LLC</td>
<td></td>
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</tr>
<tr>
<td>FROM: KTXL, LLC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TO: Tribune Media Company</td>
<td></td>
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<tr>
<td>No. of Station(s) listed: 2</td>
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<tr>
<th>SES–ASG–20191206–01645</th>
<th>E180196</th>
<th>KTXL, LLC (d/b/a c/o Nexstar Media Group, Inc.)</th>
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<tr>
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<td>Grant of Authority</td>
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<td>Current Licensee: Nexstar Media Group, Inc.</td>
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<td></td>
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<tr>
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<tr>
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<tr>
<td>No. of Station(s) listed: 2</td>
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<thead>
<tr>
<th>SES–ASG–20191206–01646</th>
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<tbody>
<tr>
<td>Application for Consent to Assignment</td>
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<td>Grant of Authority</td>
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<td>FROM: KIAH, LLC</td>
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<td>No. of Station(s) listed: 1</td>
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<tr>
<td>Application for Consent to Assignment</td>
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<td>Date Effective: 12/23/2019</td>
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<tr>
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<tr>
<td>Current Licensee: KTLA, LLC</td>
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<tr>
<td>FROM: KTLA, LLC</td>
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<tr>
<td>TO: Tribune Media Company</td>
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<td>No. of Station(s) listed: 6</td>
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This application is dismissed pursuant to the temporary freeze on applications for new or modified FSS earth stations announced in Temporary Freeze on Applications for New or Modified Fixed Satellite Service Earth Stations and Fixed Microwave Stations in the 3.7-4.2 GHz Band; 90-Day Window to File Applications for Earth Stations Currently Operating in 3.7-4.2 GHz Band, Public Notice, 33 FCC Rcd 3841 (IB/PSHSB/WTB 2018)."
<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location</th>
<th>Antenna ID</th>
<th>Frequency Band</th>
<th>Antenna Name</th>
<th>AN1002-1208</th>
<th>Nature of Service</th>
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<tbody>
<tr>
<td>1</td>
<td>WBNG Television, 560 Columbia Drive, Broome, Johnson City, NY</td>
<td>1</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>5 meters</td>
<td>Comtech</td>
<td>CS0F-2C</td>
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<td></td>
<td></td>
<td>2</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>4.5 meters</td>
<td>Andrew</td>
<td>ESA45-4A</td>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>4.5 meters</td>
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<td>ESA45-46B</td>
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<td>4.2 meters</td>
<td>DH Satellite</td>
<td>42DH</td>
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<td>5</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>3.8 meters</td>
<td>Patriot</td>
<td>PRT-380</td>
</tr>
<tr>
<td>Antenna ID</td>
<td>Diameter</td>
<td>Manufacturer</td>
<td>ID</td>
<td>Digital TV Video</td>
<td>Analog TV Video</td>
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<tr>
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<tr>
<td>6</td>
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<td>Comtech</td>
<td>829066-G2RC</td>
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<tr>
<td>7</td>
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<td>Prodelin</td>
<td>1375</td>
<td>36M0G7F</td>
<td>36M0F3F</td>
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<tr>
<td>1</td>
<td>4.5 m</td>
<td>Andrew</td>
<td>ESA45-4</td>
<td>36M0G7F</td>
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<tr>
<td>2</td>
<td>7 m</td>
<td>AFC</td>
<td>PR-23</td>
<td>36M0G7F</td>
<td>36M0F3F</td>
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<td>3</td>
<td>5 m</td>
<td>Patriot</td>
<td>PRT-500</td>
<td>36M0G7F</td>
<td>36M0F3F</td>
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<tr>
<td>4</td>
<td>3.8 m</td>
<td>Patriot</td>
<td>PRT-380</td>
<td>36M0G7F</td>
<td>36M0F3F</td>
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Points of Communication:

1 - PERMITTED LIST - ()

<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>
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<tbody>
<tr>
<td>SES-REG-20180920-04482</td>
<td>WPTA License, LLC</td>
<td>09/20/2018 - 09/20/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location</th>
<th>SITE ID: 1</th>
<th>LOCATION: WPTA Television 3401 Bulter Rd., Allen, Fort Wayne, IN</th>
<th>41° 6' 8.20&quot; N LAT.</th>
<th>85° 11' 3.90&quot; W LONG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antenna ID: 1</td>
<td>4.5 m</td>
<td>Andrew</td>
<td>ESA45-4</td>
<td>36M0G7F</td>
<td>36M0F3F</td>
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<td>Antenna ID: 2</td>
<td>7 m</td>
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<td>36M0F3F</td>
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<td>Antenna ID: 3</td>
<td>5 m</td>
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<td>PRT-500</td>
<td>36M0G7F</td>
<td>36M0F3F</td>
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<td>Antenna ID: 4</td>
<td>3.8 m</td>
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<td>PRT-380</td>
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<td>36M0F3F</td>
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<td>ANTENNA ID</td>
<td>Diameter (m)</td>
<td>Manufacturer</td>
<td>Description</td>
<td>Frequency Range (MHz)</td>
<td>Bandwidth</td>
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</tr>
<tr>
<td>5</td>
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<td>PR-12</td>
<td>3700.0000 - 4200.0000</td>
<td>Digital TV Video</td>
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<td>36M0G7F</td>
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</tr>
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<td>3700.0000 - 4200.0000</td>
<td>Analog TV Video</td>
</tr>
<tr>
<td>36M0F3F</td>
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<td></td>
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<tr>
<td>6</td>
<td>3.4</td>
<td>Prodelin</td>
<td>1345</td>
<td>3700.0000 - 4200.0000</td>
<td>Digital TV Video</td>
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<tr>
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<td>36M0G7F</td>
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<td></td>
<td></td>
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<tr>
<td>36M0F3F</td>
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### Points of Communication:

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<tr>
<th>Registration</th>
<th>WVVA License, LLC</th>
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<td>SES−REG−20180920−04483</td>
<td>E190825</td>
<td>09/20/2018 - 09/20/2033</td>
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</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** WVVA Television 3052 Big Laurel Highway, Mercer, Bluefield, WV

37° 15′ 32.10″ N LAT. 81° 11′ 27.30″ W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter (m)</th>
<th>Manufacturer</th>
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<th>Frequency Range (MHz)</th>
<th>Bandwidth</th>
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<tr>
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<td>36M0G7F</td>
<td></td>
</tr>
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<td>2</td>
<td>3.7</td>
<td>AFC</td>
<td>PR-12</td>
<td>3700.0000 - 4200.0000</td>
<td>Digital TV video</td>
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<td></td>
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<td>36M0G7F</td>
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<td>3700.0000 - 4200.0000</td>
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<td>Andrew</td>
<td>ES36</td>
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<td>Patriot</td>
<td>PRT-310</td>
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<td>6</td>
<td>3</td>
<td>DH Satellite</td>
<td>30DH</td>
<td>3700.0000 - 4200.0000</td>
<td>Digital TV video</td>
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</table>
ANTENNA ID:  7  
3 meters  
DH Satellite  
30DH

3700.0000 - 4200.0000 MHz  
36M0G7F  
Digital TV video

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180920–04484  E  E190826  Cox Media Group Northeast, LLC
Registration  
Grant of Authority  
09/20/2018 - 09/20/2033  
Date Effective:  12/23/2019

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  25 Fox Drive (Studio), Norfolk, Dedham, MA
42°13′49.58″ N LAT.  
71°10′49.01″ W LONG.

ANTENNA ID:  1 PAT  
4.5 meters  
Patriot  
4.5

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital video audio and data

ANTENNA ID:  2 PAT  
4.5 meters  
Patriot  
4.5

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital video audio and data

ANTENNA ID:  3 PAT  
4.5 meters  
Patriot  
4.5

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital video audio and data

ANTENNA ID:  4 PAT  
4.5 meters  
Patriot  
4.5

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital video audio and data

ANTENNA ID:  5 AND  
4.5 meters  
Andrew  
ES45P

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital video audio and data

ANTENNA ID:  6 AND  
4.5 meters  
Andrew  
ES45P

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital video audio and data

ANTENNA ID:  7 AND  
4.5 meters  
Andrew  
ES45P

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital video audio and data

ANTENNA ID:  8 AND  
4.5 meters  
Andrew  
ES45P

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital video audio and data
ANTENNA ID: 10 COMT  5 meters  Comtech  5.0M

3700.0000 - 4200.0000 MHz  36M0G7W  Digital video audio and data

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180921–04490  E190832  Gray Television Licensee, LLC
Registration  09/21/2018 - 09/21/2033
Grant of Authority  Date Effective: 12/27/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3650 Braddock Street (KTVF), Fairbanks, AK
64° 48' 43.20" N LAT.  147° 42' 3.40" W LONG.

ANTENNA ID: KTVF 8  4.6 meters  ASC Signal Corp  4.6m

3700.0000 - 4200.0000 MHz  36M0G7F  DIGITAL

ANTENNA ID: KTVF 5  7 meters  Antennas for Communications  7m

3700.0000 - 4200.0000 MHz  36M0G7F  DIGITAL

ANTENNA ID: KTVF 6  3.7 meters  Prodelin  1374

3700.0000 - 4200.0000 MHz  36M0G7F  DIGITAL

ANTENNA ID: KTVF 7  7.3 meters  Andrew  7.3m

3700.0000 - 4200.0000 MHz  36M0G7F  DIGITAL

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180921–04493  E190835  WFTV, LLC
Registration  09/21/2018 - 09/21/2033
Grant of Authority  Date Effective: 12/27/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 21680 Fort Christmas Road, Orange, Christmas, FL
28° 34' 7.00" N LAT.  81° 3' 16.00" W LONG.

ANTENNA ID: 1  3.8 meters  Patriot  PRT-380AZ
<table>
<thead>
<tr>
<th>SITE ID: WBKO</th>
<th>LOCATION: 2727 Russellville Road (WBKO), Bowling Green, KY</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT. 36° 57' 41.00&quot; N</td>
<td>LONG. 86° 29' 37.00&quot; W</td>
</tr>
</tbody>
</table>

**Antennas:**

1. **Antenna ID:** WBKO 1, **Antenna Type:** Andrew, **Size:** 7.3 meters, **ID:** 7.3M ESA, **Frequency:** 3700.0000 - 4200.0000 MHz, **Signal:** DIGITAL
2. **Antenna ID:** WBKO 2, **Antenna Type:** DH Satellite, **Size:** 4.5 meters, **ID:** DH 4.5M, **Frequency:** 3700.0000 - 4200.0000 MHz, **Signal:** DIGITAL
3. **Antenna ID:** WBKO 3, **Antenna Type:** EASI, **Size:** 4.5 meters, **ID:** EASI 4.5M, **Frequency:** 3700.0000 - 4200.0000 MHz, **Signal:** DIGITAL
4. **Antenna ID:** WBKO 4-5, **Antenna Type:** Andrew, **Size:** 4.5 meters, **ID:** ESA45-4, **Frequency:** 3700.0000 - 4200.0000 MHz, **Signal:** DIGITAL
5. **Antenna ID:** WBKO 6-7, **Antenna Type:** Saturn, **Size:** 3.1 meters, **ID:** 318AS, **Frequency:** 3700.0000 - 4200.0000 MHz, **Signal:** DIGITAL

**Points of Communication:**

- **WBKO - PERMITTED LIST - ()**

**Registration:**

<table>
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<tr>
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<th>E190868</th>
<th>Grant of Authority:</th>
<th>09/21/2018 - 09/21/2033</th>
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</thead>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
### SITE ID: Site 1
LOCATION: 320 Walnut St. W, Ramsey, Devils Lake, ND
48° 6’ 26.92” N LAT. 98° 52’ 5.08” W LONG.

ANTENNA ID: Ant 1
3 meters
Comsat
F3m

3700.0000 - 4200.0000 MHz
30M0G7W
0.00 dBW
Digital Audio and associated subcarriers

**Points of Communication:**

<table>
<thead>
<tr>
<th>Site 1 - PERMITTED LIST - ()</th>
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</table>

### SES–REG–20180921–04520 E E190870 American Media Investments
Registration
Grant of Authority
09/21/2018 - 09/21/2033
Date Effective: 12/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

### SITE ID: 98.5 Studios
LOCATION: 704 N Cedar Street, Red River, Clarksville, TX
33° 36’ 55.40” N LAT. 95° 3’ 8.52” W LONG.

ANTENNA ID: KHDY-1
3 meters
Prime Focus
10’ Mesh

3700.0000 - 4200.0000 MHz
36M0G7W
Digital Audio and Video Services

**Points of Communication:**

<table>
<thead>
<tr>
<th>98.5 Studios - PERMITTED LIST - ()</th>
</tr>
</thead>
</table>

### SES–REG–20180921–04523 E E190874 Carroll County Broadcasting, Inc.
Registration
Grant of Authority
09/21/2018 - 09/21/2033
Date Effective: 12/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

### SITE ID: Berryville Studio
LOCATION: 1 Radio Drive, Carroll, Berryville, AR
36° 21’ 37.80” N LAT. 93° 33’ 43.90” W LONG.

ANTENNA ID: 3.7m
3.7 meters
Prodelin
1374-1375

3700.0000 - 4200.0000 MHz
36M0G7W
0.00 dBW
Analog Video with associated subcarriers

**Points of Communication:**

| Berryville Studio - PERMITTED LIST - () |
Class of Station:  Fixed Earth Stations
Nature of Service:  Fixed Satellite Service

SITE ID:  Camden Studio
LOCATION:  612 Fairview Road, Ouachita, Camden, AR
33 ° 32 ' 11.40 " N LAT.  92 ° 50 ' 18.00 " W LONG.
ANTENNA ID:  3.7m  3.7 meters  Prodelin  UniMesh
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Analog Video with associated subcarriers

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

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

SITE ID:  Viera Site
LOCATION:  2725 Judge Fran Jamieson Way Bldg C, Roof, Brevard, VIERA, FL
28 ° 14 ' 46.50 " N LAT.  80 ° 44 ' 11.00 " W LONG.
ANTENNA ID:  ANT 1  3 meters  DH  30D1
3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Digital Video

Points of Communication:
Viera Site - PERMITTED LIST - ()

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

SITE ID:  DesPlaines
LOCATION:  424 E. Howard Ave., COOK, Des Plaines, IL
42 ° 1 ' 3.50 " N LAT.  87 ° 54 ' 46.80 " W LONG.
ANTENNA ID:  WMAQDP-123  7.3 meters  Andrew Corporation  ESA73-46

Grant of Authority  Date Effective:  12/23/2019

SES–REG–20180921–04615  E190982  Brevard County Brd of County Commissioners  09/21/2018 - 09/21/2033
Grant of Authority  Date Effective:  12/23/2019

SES–REG–20180924–04535  E190902  NBC Telemundo License LLC  09/24/2018 - 09/24/2033
Grant of Authority  Date Effective:  12/23/2019
<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Frequency Range</th>
<th>Repeaters</th>
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<tbody>
<tr>
<td>DesPlaines2</td>
<td>424 E. Howard Ave., COOK, Des Plaines, IL</td>
<td>WMAQDP-2</td>
<td>3700.000 - 4200.000 MHz</td>
<td>36M0G7W</td>
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<tr>
<td></td>
<td>42 ° 1 ' 3.50 &quot; N LAT.</td>
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<tr>
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<td>87 ° 54 ' 46.80 &quot; W LONG.</td>
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<td>Scientific Atlanta</td>
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<td>WMAQDP-2</td>
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<td>WMAQDP-3</td>
<td>Harris</td>
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<td>6.1 meters</td>
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**Points of Communication:**

- DesPlaines - PERMITTED LIST - ()
- DesPlaines2 - PERMITTED LIST - ()

**SES—REG—20180925—04568**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Twin Valley Communications, Inc</th>
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<td>Grant of Authority</td>
<td>09/25/2018 - 09/25/2033</td>
</tr>
<tr>
<td>Date Effective</td>
<td>12/23/2019</td>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Frequency Range</th>
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<tr>
<td>1</td>
<td>107 W Washington, Ottawa, Bennington, KS</td>
<td>Ant. 1,5,6</td>
<td>3700.000 - 4200.000 MHz</td>
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<td>39 ° 1 ' 59.95 &quot; N LAT.</td>
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<td>97 ° 35 ' 35.66 &quot; W LONG.</td>
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<td>Patriot</td>
<td>MBF</td>
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**Points of Communication:**

- 1 - PERMITTED LIST - ()

**SES—REG—20180928—04460**

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<th>Registration</th>
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<td>Date Effective</td>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
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<th>SITE ID</th>
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<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>ANTENNA ID</th>
<th>FREQUENCY</th>
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<td>1</td>
<td>2901 West 9000 South, WEST JORDAN, UT</td>
<td>40° 35' 14.83&quot; N</td>
<td>111° 57' 43.19&quot; W</td>
<td>3.4 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>Satcom1344</td>
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<td>2</td>
<td>3049 West Bernina Drive, TAYLORSVILLE, UT</td>
<td>40° 38' 42.07&quot; N</td>
<td>111° 57' 51.93&quot; W</td>
<td>3.4 meters</td>
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<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
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<td>3</td>
<td>4075 Orchard Avenue, OGDEN, UT</td>
<td>41° 11' 18.08&quot; N</td>
<td>111° 57' 52.21&quot; W</td>
<td>3.4 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
</tr>
<tr>
<td>4</td>
<td>2115 Jefferson Ave, OGDEN, UT</td>
<td>41° 13' 42.76&quot; N</td>
<td>111° 57' 54.00&quot; W</td>
<td>3.4 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
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<tr>
<td>5</td>
<td>3274 Hillsdale Drive, WEST VALLEY CITY, UT</td>
<td>40° 42' 2.12&quot; N</td>
<td>111° 57' 39.69&quot; W</td>
<td>3.4 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>General Dynamics</td>
<td>Satcom 1344</td>
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<tr>
<td>6</td>
<td>3150 West Whitehall Drive, WEST VALLEY CITY, UT</td>
<td>40° 41' 6.49&quot; N</td>
<td>111° 57' 59.60&quot; W</td>
<td>3.4 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>GENERAL DYNAMICS</td>
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<tr>
<td>7</td>
<td>7336 South 3200 West, WEST JORDAN, UT</td>
<td>40° 37' 3.20&quot; N</td>
<td>111° 58' 4.90&quot; W</td>
<td>3.4 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
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ANTENNA ID:  7  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  8
LOCATION:  10860 South 3200 West, SOUTH JORDAN, UT
40 ° 33' 15.84" N LAT.  111 ° 58' 0.77" W LONG.

ANTENNA ID:  8  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  9
LOCATION:  8173 South 3200 West, WEST JORDAN, UT
40 ° 36' 10.14" N LAT.  111 ° 58' 1.45" W LONG.

ANTENNA ID:  9  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  10
LOCATION:  60 West Gordon Avenue, LAYTON, UT
41 ° 4' 29.71" N LAT.  111 ° 57' 59.02" W LONG.

ANTENNA ID:  10  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  11
LOCATION:  480 East 7th Street, OGDEN, UT
41 ° 15' 6.91" N LAT.  111 ° 58' 4.41" W LONG.

ANTENNA ID:  11  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  12
LOCATION:  1480 Phillips Street, KAYSVILLE, UT
41 ° 2' 49.52" N LAT.  111 ° 58' 7.43" W LONG.

ANTENNA ID:  12  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  13
LOCATION:  615 North Flint Street, KAYSVILLE, UT
41 ° 2' 37.80" N LAT.  111 ° 58' 7.72" W LONG.

ANTENNA ID:  13  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
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<th>LATITUDE</th>
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<td>14</td>
<td>4955 Adams Avenue, OGDEN, UT</td>
<td>41° 10' 22.92&quot; N</td>
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<td>Satcom 1344</td>
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<td>15</td>
<td>373 15th Street, OGDEN, UT</td>
<td>41° 14' 22.63&quot; N</td>
<td>111° 58' 14.87&quot; W</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>15</td>
<td>3.4 meters</td>
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<td>16</td>
<td>12852 South 3200 West, RIVERTON, UT</td>
<td>40° 31' 4.09&quot; N</td>
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<td>3.4 meters</td>
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<td>17</td>
<td>3431 West Wights Fort Road, WEST JORDAN, UT</td>
<td>40° 35' 3.06&quot; N</td>
<td>111° 58' 22.91&quot; W</td>
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<td>17</td>
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<td>18</td>
<td>3175 South 3450 West, WEST VALLEY CITY, UT</td>
<td>40° 42' 9.06&quot; N</td>
<td>111° 58' 23.72&quot; W</td>
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<td>Satcom 1344</td>
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<td>19</td>
<td>3963 South Peachwood Drive, WEST VALLEY CITY, UT</td>
<td>40° 41' 7.35&quot; N</td>
<td>111° 58' 24.14&quot; W</td>
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<td>20</td>
<td>460 South 100 East, MENDON, UT</td>
<td>41° 41' 52.92&quot; N</td>
<td>111° 58' 25.58&quot; W</td>
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<tr>
<td>20</td>
<td>4505 Brians Way (3420 West), WEST VALLEY CITY, UT</td>
<td>40° 40' 21.13&quot; N</td>
<td>111° 58' 19.01&quot; W</td>
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<td>3.4 meters</td>
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<td>21</td>
<td>3495 West 4850 South, TAYLORSVILLE, UT</td>
<td>40° 39' 48.17&quot; N</td>
<td>111° 58' 28.24&quot; W</td>
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<td>3.4 meters</td>
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<td>22</td>
<td>4760 South 200 East, WASHINGTON TERRACE, UT</td>
<td>41° 10' 35.63&quot; N</td>
<td>111° 58' 31.59&quot; W</td>
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<td>23</td>
<td>3555 West 5620 South, TAYLORSVILLE, UT</td>
<td>40° 38' 54.54&quot; N</td>
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<td>12154 South 3600 West, RIVERTON, UT</td>
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<td>111° 58' 37.22&quot; W</td>
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<tr>
<td>25</td>
<td>113 Childs Avenue, OGDEN, UT</td>
<td>41° 15' 40.36&quot; N</td>
<td>111° 58' 25.87&quot; W</td>
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SITE ID:  27  
LOCATION:  3676 West 4700 South, WEST VALLEY CITY, UT  
40 ° 40 ’ 5.44 “ N LAT.  
111 ° 58 ’ 43.88 “ W LONG.  

ANTENNA ID:  27  
3.4 meters  
GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  
36M0G7W

SITE ID:  28  
LOCATION:  3740 West Market Center Drive, RIVERTON, UT  
40 ° 30 ’ 47.90 “ N LAT.  
111 ° 58 ’ 48.79 “ W LONG.  

ANTENNA ID:  28  
3.4 meters  
GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  
36M0G7W

SITE ID:  29  
LOCATION:  3740 W Market Center Drive, RIVERTON, UT  
40 ° 30 ’ 42.90 “ N LAT.  
111 ° 58 ’ 48.89 “ W LONG.  

ANTENNA ID:  29  
3.4 meters  
GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  
36M0G7W

SITE ID:  30  
LOCATION:  3740 West Market Center Drive, RIVERTON, UT  
40 ° 30 ’ 47.89 “ N LAT.  
111 ° 58 ’ 49.13 “ W LONG.  

ANTENNA ID:  30  
3.4 meters  
GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  
36M0G7W

SITE ID:  31  
LOCATION:  125 East 5350 South, WASHINGTON TERRACE, UT  
41 ° 9 ’ 57.45 “ N LAT.  
111 ° 58 ’ 40.12 “ W LONG.  

ANTENNA ID:  31  
3.4 meters  
GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  
36M0G7W

SITE ID:  32  
LOCATION:  3740 West Market Center Drive, RIVERTON, UT  
40 ° 30 ’ 47.85 “ N LAT.  
111 ° 58 ’ 49.76 “ W LONG.  

ANTENNA ID:  32  
3.4 meters  
GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  
36M0G7W

SITE ID:  33  
LOCATION:  3740 West Market Center Drive, RIVERTON, UT  
40 ° 30 ’ 47.86 “ N LAT.  
111 ° 58 ’ 49.76 “ W LONG.
ANTENNA ID: 33  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  34
LOCATION:  8273 Simpson Springs Road, EAGLE MOUNTAIN, UT
40° 21' 57.35" N LAT.  111° 58' 55.39" W LONG.

ANTENNA ID: 34  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  35
LOCATION:  505 South 1000 West, LAYTON, UT
41° 3' 10.67" N LAT.  111° 58' 57.26" W LONG.

ANTENNA ID: 35  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  36
LOCATION:  1560 North 200 West, HARRISVILLE, UT
41° 17' 12.34" N LAT.  111° 58' 49.25" W LONG.

ANTENNA ID: 36  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  37
LOCATION:  3901 West 2925 South, WEST VALLEY CITY, UT
40° 42' 25.31" N LAT.  111° 59' 5.92" W LONG.

ANTENNA ID: 37  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  38
LOCATION:  5905 South 4000 West, KEARNS, UT
40° 38' 36.49" N LAT.  111° 59' 8.23" W LONG.

ANTENNA ID: 38  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  39
LOCATION:  2977 East Saddle Rock Road, EAGLE MOUNTAIN, UT
40° 21' 41.54" N LAT.  111° 59' 9.41" W LONG.

ANTENNA ID: 39  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
SITE ID: 40
LOCATION: 10227 South 4000 West, SOUTH JORDAN, UT
40°33'55.32" N LAT. 111°59'9.49" W LONG.

ANTENNA ID: 40 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 41
LOCATION: 8117 South Leslie Drive, WEST JORDAN, UT
40°36'13.76" N LAT. 111°59'0.49" W LONG.

ANTENNA ID: 41 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 42
LOCATION: 2300 University Park Boulevard, LAYTON, UT
41°5'42.48" N LAT. 111°59'13.87" W LONG.

ANTENNA ID: 42 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 43
LOCATION: 3602 North 500 West, PLEASANT VIEW, UT
41°19'18.84" N LAT. 111°59'15.34" W LONG.

ANTENNA ID: 43 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 44
LOCATION: 4113 W 6200 S, WEST JORDAN, UT
40°38'17.44" N LAT. 111°59'21.64" W LONG.

ANTENNA ID: 44 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 45
LOCATION: 4200 West Skye Drive, SOUTH JORDAN, UT
40°34'22.96" N LAT. 111°59'23.14" W LONG.

ANTENNA ID: 45 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 46
LOCATION: 3900 South 4000 West, WEST VALLEY CITY, UT
40°41'13.07" N LAT. 111°59'13.45" W LONG.
ANTENNA ID: 46  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  47
LOCATION:  4715 South 4300 West, KEARNS, UT
40° 40' 0.08" N LAT.  111 ° 59' 35.24" W LONG.

ANTENNA ID:  47  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  48
LOCATION:  325 East State Hwy 22, ANTIMONY, UT
38° 6' 56.31" N LAT.  111 ° 59' 46.80" W LONG.

ANTENNA ID:  48  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  49
LOCATION:  1715 West 1600 North, LAYTON, UT
41° 4' 56.84" N LAT.  111 ° 59' 48.84" W LONG.

ANTENNA ID:  49  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  50
LOCATION:  4260 West 5215 South, KEARNS, UT
40° 39' 24.12" N LAT.  111 ° 59' 32.88" W LONG.

ANTENNA ID:  50  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()
10 - PERMITTED LIST - ()
11 - PERMITTED LIST - ()
12 - PERMITTED LIST - ()
13 - PERMITTED LIST - ()
14 - PERMITTED LIST - ()
15 - PERMITTED LIST - ()
16 - PERMITTED LIST - ()
Ses-Reg-20180930-04602  E190970  R&J Broadcasting, Inc.
Registration
Grant of Authority 09/30/2018 - 09/30/2033
Date Effective: 12/23/2019

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
SITE ID: 1
LOCATION: 305 West Washington (KLKS Studio), Crow Wing, Brainerd 46° 21' 27.00" N LAT. 94° 12' 55.80" W LONG.

ANTENNA ID: ANTI 3.7 meters Prodelin 3.7 Meter

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

Ses-Reg-20181002-04679  E191046  CMN-RUS, Inc.
Registration
Grant of Authority 10/02/2018 - 10/02/2033
Date Effective: 12/23/2019

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
SITE ID: EVV1
LOCATION: 3701 Communications Way, Vanderburgh, Evansville, IN 38° 0' 39.39" N LAT. 87° 29' 1.52" W LONG.
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Provider</th>
<th>Bandwidth</th>
<th>Frequency Range</th>
<th>Authorization</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>2</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>3</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>4</td>
<td>3.8 meters</td>
<td>DH Satellite</td>
<td>3.8 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>5</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>6</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>7</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>8</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>9</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
<tr>
<td>10</td>
<td>4.5 meters</td>
<td>DH Satellite</td>
<td>4.5 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>10M0G7W</td>
</tr>
</tbody>
</table>

**Points of Communication:**

EVV1 - PERMITTED LIST - ()

**SES-REG-20181002-04681**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Puffer Broadcasting, Inc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td>10/02/2018 - 10/02/2033</td>
</tr>
<tr>
<td>Class of Station</td>
<td>Fixed Earth Stations</td>
</tr>
<tr>
<td>Nature of Service</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

Page 22 of 53
| SITE ID: | Site 1 |
| LOCATION: | 1047 Route 302, Orange, Wells River, VT |
| LAT: | 44 ° 8’ 59.00” N |
| LONG: | 72 ° 3’ 53.00” W |

Antenna Details:

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>ANT1</th>
<th>Antenna Type:</th>
<th>Channel:</th>
<th>Power:</th>
<th>Service Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 meters</td>
<td>Channel Master</td>
<td>0.00 dBW</td>
<td>Digital audio SCPC voice</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>ANT2</th>
<th>Antenna Type:</th>
<th>Channel:</th>
<th>Power:</th>
<th>Service Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 meters</td>
<td>Channel Master</td>
<td>0.00 dBW</td>
<td>Digital audio SCPC voice</td>
<td></td>
</tr>
</tbody>
</table>

Points of Communication:

Site 1 - PERMITTED LIST - ()

REGISTRATION:

<table>
<thead>
<tr>
<th>SES-REG-20181002-04682</th>
<th>E191049</th>
<th>MontanaSky West LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td></td>
<td>10/02/2018 - 10/02/2033</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective: 12/23/2019</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

| SITE ID: | 48 |
| LOCATION: | 573 City Service Rd, Lincoln, Libby, MT |
| LAT: | 48 ° 23’ 53.70” N |
| LONG: | 115 ° 33’ 31.00” W |

Antenna Details:

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>ANT1</th>
<th>Antenna Type:</th>
<th>Channel:</th>
<th>Power:</th>
<th>Service Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.8 meters</td>
<td>Patriot</td>
<td>CHA38PSTD</td>
<td>Digital video</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>ANT2</th>
<th>Antenna Type:</th>
<th>Channel:</th>
<th>Power:</th>
<th>Service Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.7 meters</td>
<td>Prodelin</td>
<td>1374</td>
<td>Digital video</td>
<td></td>
</tr>
</tbody>
</table>

Points of Communication:

48 - PERMITTED LIST - ()

REGISTRATION:

<table>
<thead>
<tr>
<th>SES-REG-20181002-04691</th>
<th>E191058</th>
<th>Coast Communications Co. Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td></td>
<td>10/02/2018 - 10/02/2033</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective: 12/23/2019</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
Points of Communication:

Site 1 - PERMITTED LIST - ()

**SES–REG–20181002–04692**

Registration: E191059  Coast Communications Co. Inc.
Grant of Authority: Coast Communications Co. Inc.
Date Effective: 10/02/2018 - 10/02/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Site 1

**LOCATION:** 349 Damon Rd Ne 349 Damon Rd Ne, Grays Harbor, Ocean Shores, WA

LAT.: 47 ° 1 ' 0.71 " N  

LONG.: 124 ° 9 ' 32.08 " W

**ANTENNA ID:** SIMULSAT  5 meters  ATCi  Simulsat 5

**Points of Communication:**

Site 1 - PERMITTED LIST - ()

**SES–REG–20181002–04693**

Registration: E191174  Rebeltec Communications LLC
Grant of Authority: Rebeltec Communications LLC
Date Effective: 10/02/2018 - 10/02/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Site KC

**LOCATION:** 11386 County Road 20.2, Cheyenne, Kit Carson, CO

LAT.: 38 ° 46 ' 11.19 " N  

LONG.: 102 ° 47 ' 39.23 " W

**ANTENNA ID:** Ant1  4.5 meters  American Antenna  TVRO-4.5

**Points of Communication:**

Site KC - PERMITTED LIST - ()

**SES–REG–20181002–04694**

Registration: E191060  Monroe Broadcasting Company, Incorporated
Grant of Authority: Monroe Broadcasting Company, Incorporated
Date Effective: 10/02/2018 - 10/02/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
### SITE ID: Main Studio
LOCATION: 961 Pineville Road, Monroe, Monroeville, AL
31° 32' 8.30" N LAT. 87° 18' 44.30" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>Big Dish</th>
<th>3.7 meters</th>
<th>Channel Master</th>
<th>12 Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>QPSK digital audio and video data</td>
</tr>
</tbody>
</table>

**Points of Communication:**

Main Studio - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>REGISTRATION</th>
<th>E191061</th>
<th>Northland Cable Television, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Effective</td>
<td>12/23/2019</td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

### SITE ID: Coarsegold, CA
LOCATION: 41200 Lilley Mountain Dr., Madera, Coarsegold, CA
37° 10' 53.10" N LAT. 119° 47' 44.10" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>Antenna 1</th>
<th>3.8 meters</th>
<th>Patriot</th>
<th>PRT 380</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 Programming</td>
</tr>
</tbody>
</table>

**Points of Communication:**

Coarsegold, CA - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>REGISTRATION</th>
<th>E191062</th>
<th>David Ellington ( d/b/a David Ellington )</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Effective</td>
<td>12/23/2019</td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

### SITE ID: Cleveland, MS
LOCATION: 1293 T Memorial Drive, Bolivar, Cleveland, MS
33° 43' 36.00" N LAT. 90° 43' 44.00" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>ANT1</th>
<th>3 meters</th>
<th>DH Satellite</th>
<th>30DH4</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</td>
</tr>
</tbody>
</table>

**Points of Communication:**

Cleveland, MS - PERMITTED LIST - ()
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: CRA1
LOCATION: 808 Lafayette Road, Montgomery, Crawfordsville, IN
40° 3' 5.66" N LAT. 86° 54' 13.38" W LONG.

ANTENNA ID: 1 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 2 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 3 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 4 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 5 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 6 3.8 meters GD Satcom
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 7 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 8 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 9 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 10 3.8 meters GD Satcom
3700.0000 - 4200.0000 MHz 10M0G7W
Communication

ANTENNA ID: 11 3.8 meters Viking
3700.0000 - 4200.0000 MHz 10M0G7W
Communication
Points of Communication:

CRA1 - PERMITTED LIST - ()

SES–REG–20181002–04704  E  E191070  BlueBridge Media LLC

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  Jasper HE
LOCATION:  320 Industrial Blvd, MARION, JASPER, TN
35 ° 3 ' 44.00 " N LAT.  85 ° 38 ' 18.00 " W LONG.

ANTENNA ID:  Jasper HE  5.2 meters  ATCI  Simulsat 5B

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW

Points of Communication:

Jasper HE - PERMITTED LIST - ()


Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  VIN1
LOCATION:  287 N. 15th Street, Knox, Vincennes, IN
38 ° 40 ' 12.36 " N LAT.  87 ° 31 ' 5.16 " W LONG.

ANTENNA ID:  1  4.5 meters  Satellite  General Dynamic

3700.0000 - 4200.0000 MHz  10M0G7W  Communication

ANTENNA ID:  2  4.5 meters  Satellite  General Dynamic

3700.0000 - 4200.0000 MHz  10M0G7W  Communication

Points of Communication:

VIN1 - PERMITTED LIST - ()

SES–REG–20181002–04706  E  E191072  GALESBURG BROADCASTING COMPANY

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

Fixed Satellite Service

### SITE ID: 1

**LOCATION:** 154 East Simmons St, Knox, Galesburg, IL

40° 56' 45.60" N LAT. 90° 22' 7.20" W LONG.

**ANTENNA ID:** 1  3.2 meters  Scientific Atlanta  Series 900

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Digital Audio

### Points of Communication:

<table>
<thead>
<tr>
<th>SES-REG-20181002-04710</th>
<th>E191076</th>
<th>Radio Pacific, Inc.</th>
<th>10/01/2018 - 10/01/2033</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration Date Effective:</td>
<td>12/23/2019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

### Nature of Service:

Fixed Satellite Service

### SITE ID: RPI Studio

**LOCATION:** 721 E First, USA, Port Angeles, WA

48° 6' 51.74" N LAT. 123° 25' 16.79" W LONG.

**ANTENNA ID:** A1  3.7 meters  Prodelin  1375

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Digital and Analog audio services

### Points of Communication:

RPI Studio - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES-REG-20181003-04711</th>
<th>E191077</th>
<th>Gray Television Licensee, LLC</th>
<th>10/03/2018 - 10/03/2033</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration Date Effective:</td>
<td>12/23/2019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

### Nature of Service:

Fixed Satellite Service

### SITE ID: 1

**LOCATION:** 6450 Papermill Drive, Knoxville, TN

35° 56' 0.53" N LAT. 84° 0' 42.95" W LONG.

**ANTENNA ID:** 1  4.6 meters  Scientific Atlanta  8005

3700.0000 - 4200.0000 MHz  36M0G7W

**ANTENNA ID:** 2  3.8 meters  Prodelin Antennas  1385

3700.0000 - 4200.0000 MHz  36M0G7W
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter (m)</th>
<th>Manufacturer/Model</th>
<th>Frequency Range (MHz)</th>
<th>ID Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3.7</td>
<td>DH Satellite</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>4</td>
<td>4.5</td>
<td>Patriot Antenna Systems</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>5</td>
<td>4.5</td>
<td>DH Satellite</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>6</td>
<td>3.7</td>
<td>Miralite</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>7</td>
<td>3.7</td>
<td>Patriot Antenna Systems</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>8</td>
<td>3.7</td>
<td>Antennas for Communications</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>9</td>
<td>3.7</td>
<td>Prodelin Antennas</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>10</td>
<td>3.4</td>
<td>Prodelin Antennas</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
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<tr>
<td>11</td>
<td>7</td>
<td>Scientific Atlanta</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181003-04716**

E191082 Gray Television Licensee, LLC

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10/03/2018 - 10/03/2033</td>
<td>12/23/2019</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 12 Brewer Rd., Presque Isle, ME

46° 43’ 44.00” N LAT.  68° 0’ 5.00” W LONG.
ANTENNA ID:  1  3.7 meters  Prodelin Antennas  1374

  3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  2  4.6 meters  Andrew  4.6m

  3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  3  4.6 meters  Vertex  4.6m

  3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181003-04717  E191087  Gray Television Licensee, LLC
Registration  10/03/2018 - 10/03/2033
Grant of Authority  Date Effective:  12/23/2019

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  42 17 48N
LOCATION:  2523 North Meridian Road, Rockford, IL
  42° 17' 48.00" N LAT.  89° 10' 15.00" W LONG.

ANTENNA ID:  1  7 meters  Scientific Atlanta  8010CM

  3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  2  4.6 meters  Scientific Atlanta  B346

  3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  3  3.7 meters  AFC  MSF-12

  3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  4  3.7 meters  DH Satellite  DH60

  3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  5  4.2 meters  DH Satellite  42DH 860A

  3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

42 17 48N - PERMITTED LIST - ()
Gulf South Communications Inc

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

SITE ID: Dothan Studio
LOCATION: 3245 Montgomery Hwy Ste 1, Alabama, Dothan, AL
31 ° 15 ' 9.38 " N LAT. 85 ° 25 ' 48.88 " W LONG.
ANTENNA ID: XDS-3.7M 3.7 meters Generic
0.00 dBW Multi format data

Bangor Communications, LLC

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

SITE ID: 44 47
LOCATION: 371 Target Industrial Circle, Penobscot, Bangor, ME
44 ° 47 ' 20.30 " N LAT. 68 ° 49 ' 29.50 " W LONG.
ANTENNA ID: 1 4.2 meters DH Satellite 42DH8
3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data

BEK Communications Cooperative

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

SITE ID: 1
LOCATION: 3451 Highway 13 SE, McIntosh, Wishek, ND
46 ° 15 ' 39.00 " N LAT. 99 ° 39 ' 55.60 " W LONG.
ANTENNA ID: 3.0M 3 meters DH Satellite 3.0M
Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181003–04721  E191091  Northland Television, LLC
Registration
Grant of Authority
Date Effective: 12/23/2019
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3217 County Road G, Oneida, Rhinelander, WI

45 ° 37 ' 19.60 " N LAT.  89 ° 24 ' 33.90 " W LONG.

ANTENNA ID: 1 4.2 meters DH Satellite 42DH8

3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181003–04722  E191092  BEK Communications Cooperative
Registration
Grant of Authority
Date Effective: 12/23/2019
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 218 Bismarck Street North, Burleigh, Menoken, ND

46 ° 49 ' 13.60 " N LAT.  100 ° 31 ' 57.00 " W LONG.

ANTENNA ID: 3.0M 3 meters DH Satellite 3.0M

3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181003–04723  E191093  BEK Communications Cooperative
Registration
Grant of Authority
Date Effective: 12/23/2019
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

3700.0000 - 4200.0000 MHz  36M0G7W

Digital traffic, various FEC, data rates and modulations

Digital video, audio and data

Digital traffic, various FEC, data rates and modulations
46 ° 51 ' 51.70 '' N LAT.
SITE ID: 1
LOCATION: 200 Broadway East, Kidder, Steele, ND
99 ° 54 ' 48.40 '' W LONG.
ANTENNA ID: 3.0M
3 meters
DH Satellite
3.0M
3700.0000 - 4200.0000 MHz
36M0G7W
Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181003–04724 E E191094 Caballero Acquisition LLC
Registration
10/03/2018 - 10/03/2033
Grant of Authority
Date Effective: 12/23/2019

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

SITE ID: 1
LOCATION: 12325 Jolly Road, Bexa, Adkins, TX
29 ° 17 ' 39.00 '' N LAT.
98 ° 15 ' 32.00 '' W LONG.
ANTENNA ID: 1
3.8 meters
Patriot
PRT-380
3700.0000 - 4200.0000 MHz
30M0G7W
0.00 dBW
Digital Video

Points of Communication:

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

SES–REG–20181003–04725 E E191095 CUSTER COUNTY BROADCASTING CO
Registration
10/03/2018 - 10/03/2033
Grant of Authority
Date Effective: 12/23/2019

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

SITE ID: 1
LOCATION: 79895 Hwy 2, Custer, Broken Bow, NE, NE
41 ° 24 ' 29.39 '' N LAT.
99 ° 40 ' 30.64 '' W LONG.
ANTENNA ID: 1
3.7 meters
D & H
37DH4
3700.0000 - 4200.0000 MHz
36M0G7W
0.00 dBW
DIGITAL VIDEO AND AUDIO

Points of Communication:

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

### Nature of Service:
Fixed Satellite Service

**SITE ID:** 1  
**LOCATION:** 54516 State Road 933, South Bend, IN  
41° 42’ 4.10” N LAT. 86° 14’ 53.44” W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7.3 meters</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>ESA73</td>
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<td>2</td>
<td>3.8 meters</td>
<td>DH Satellite</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>38DH160A</td>
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<tr>
<td>3</td>
<td>6.1 meters</td>
<td>T-Squared</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>6.1m</td>
</tr>
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</table>

### Points of Communication:

1 - PERMITTED LIST - ()

---

### Class of Station:
Fixed Earth Stations

### Nature of Service:
Fixed Satellite Service

**SITE ID:** 1  
**LOCATION:** 8195 Front Beach Road, Panama City, FL  
30° 11’ 1.00” N LAT. 85° 46’ 34.90” W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.5 meters</td>
<td>Patriot</td>
<td>4.5m Prime Focus</td>
<td>4.5m Prime Focus</td>
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<tr>
<td>2</td>
<td>4.5 meters</td>
<td>Challenger Communications</td>
<td>4.5m Prime Focus</td>
<td>4.5m Prime Focus</td>
</tr>
<tr>
<td>3</td>
<td>4.5 meters</td>
<td>Challenger Communications</td>
<td>4.5m Prime Focus</td>
<td>4.5m Prime Focus</td>
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<td>3.8 meters</td>
<td>Challenger Communications</td>
<td>3.8m Prime Focus</td>
<td>3.8m Prime Focus</td>
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</table>
Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181003-04731**  E  E191101  Gray Television Licensee, LLC
Registration  10/03/2018 - 10/03/2033
Grant of Authority  Date Effective:  12/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 42
**LOCATION:** 500 American Road, Lansing, MI
42 ° 39' 43.16" N LAT.  84 ° 32' 56.88" W LONG.

**ANTENNA ID:** 1  3.4 meters  Prodelin  1344
3700.0000 - 4200.0000 MHz  36M0G7W

**ANTENNA ID:** 2  3.1 meters  Patriot Antenna Systems  3.1m
3700.0000 - 4200.0000 MHz  36M0G7W

**ANTENNA ID:** 3  3.7 meters  Comtech  3.7m
3700.0000 - 4200.0000 MHz  36M0G7W

**ANTENNA ID:** 4  3.7 meters  DH Satellite  37DH1
3700.0000 - 4200.0000 MHz  36M0G7W

**ANTENNA ID:** 5  4.8 meters  Comtech  4.8m
3700.0000 - 4200.0000 MHz  36M0G7W

**ANTENNA ID:** 6  3 meters  Prodelin Antennas  1304
3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

42 - PERMITTED LIST - ()

**SES-REG-20181003-04732**  E  E191102  Gray Television Licensee, LLC
Registration  10/03/2018 - 10/03/2033
Grant of Authority  Date Effective:  12/23/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>31 13 32.91N</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>285 N. Foster St, Dothan, AL</td>
</tr>
<tr>
<td></td>
<td>31° 13' 32.91&quot; N LAT.</td>
</tr>
<tr>
<td></td>
<td>85° 23' 33.93&quot; W LONG.</td>
</tr>
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</table>

### Antennas

<table>
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<th>Size (meters)</th>
<th>Antenna ID</th>
<th>Frequency Range (MHz)</th>
<th>Location</th>
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<tbody>
<tr>
<td>1</td>
<td>4.5</td>
<td>DH Satellite</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
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<tr>
<td>2</td>
<td>4.5</td>
<td>Patriot Antenna Systems</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
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<tr>
<td>3</td>
<td>4.6</td>
<td>Scientific Atlanta</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>4</td>
<td>3.1</td>
<td>Patriot Antenna Systems</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>5</td>
<td>7</td>
<td>Scientific Atlanta</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>6</td>
<td>1.8</td>
<td>Patriot Antenna Systems</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>7</td>
<td>4.5</td>
<td>Patriot Antenna Systems</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
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### Points of Communication:

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<tr>
<th>Antenna ID</th>
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<th>Antenna ID</th>
<th>Frequency Range (MHz)</th>
<th>Location</th>
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</thead>
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<tr>
<td>EASi45</td>
<td>4.5</td>
<td>EASi</td>
<td>3700.0000 - 4200.0000</td>
<td>36M0G7W</td>
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</tbody>
</table>
Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181003-04734**  E  E191104  Gray Television Licensee, LLC
Registration  Grant of Authority  Date Effective:  12/23/2019

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

SITE ID:  1
LOCATION:  200 N. 4th St., Bismarck, ND
46 ° 48 ' 24.40 " N LAT.  100 ° 47 ' 11.70 " W LONG.

ANTENNA ID:  1  3.66 meters  Antennas for Communications  PR12
3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  2  4 meters  ATCI  Simulsat 5
3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  3  3 meters  Harris  5115P
3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181003-04735**  E  E191105  Gray Television Licensee, LLC
Registration  Grant of Authority  Date Effective:  12/23/2019

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

SITE ID:  1
LOCATION:  One Television Plaza, Parkersburg, WV
39 ° 15 ' 48.60 " N LAT.  81 ° 33 ' 52.77 " W LONG.

ANTENNA ID:  1  4.5 meters  Scientific Atlanta  ViaSat 8345
3700.0000 - 4200.0000 MHz  36M0G7W
<table>
<thead>
<tr>
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<th>Type</th>
<th>Size (m)</th>
<th>Manufacturer</th>
<th>ID</th>
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<tr>
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<td>4.5</td>
<td></td>
<td>PRT-45DAKP</td>
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<td>Patriot</td>
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<td>4.5m</td>
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<td></td>
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<td>36M0G7W</td>
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<td>5</td>
<td>Andrew</td>
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<td>Pedestal Mount ESA</td>
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<td>36M0G7W</td>
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<tr>
<td>6</td>
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<td>DH 60 Az-El Mount</td>
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<td></td>
<td></td>
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<td>36M0G7W</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES–REG–20181003–04759**  
Gray Television Licensee, LLC  
Registration: E191129  
Grant of Authority: 10/03/2018 - 10/03/2033  
Date Effective: 12/23/2019  

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

**Site ID:** 31  
**Location:** 4101 E, 42nd Suite j-7, Odessa, TX  
31° 53’ 50.20” N LAT.  
102° 20’ 13.50” W LONG.  

<table>
<thead>
<tr>
<th>Antenna ID</th>
<th>Size (m)</th>
<th>Manufacturer</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Comtech</td>
<td>C50-2C</td>
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<tr>
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<td>3.8</td>
<td>Comtech</td>
<td>C38DA</td>
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<td></td>
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<td>36M0G7F</td>
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<td>DH Satellite</td>
<td>D37F48</td>
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<td></td>
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<td>36M0G7F</td>
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<td></td>
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Points of Communication:

### Gray Television Licensee, LLC

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter (m)</th>
<th>Provider</th>
<th>Frequency Range</th>
<th>ID</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>4.5</td>
<td>EFFICEL</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>ODOM</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>3</td>
<td>3.8</td>
<td>PATRIOT</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>DH SATELLITE</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<tr>
<td>5</td>
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<td>DH SATELLITE</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<tr>
<td>6</td>
<td>3.7</td>
<td>PRODELIN</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>7</td>
<td>3</td>
<td>ODOM</td>
<td>3700.0000 - 4200.0000 MHz</td>
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</table>

### Channel Communications, LLC

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter (m)</th>
<th>Provider</th>
<th>Frequency Range</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>EFFICEL</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<tr>
<td>2</td>
<td>3</td>
<td>ODOM</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>3</td>
<td>3.8</td>
<td>PATRIOT</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>DH SATELLITE</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>5</td>
<td>3.7</td>
<td>DH SATELLITE</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<td>PRODELIN</td>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>ODOM</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>SITE ID</td>
<td>LOCATION</td>
<td>ANTENNA ID</td>
<td>Size</td>
<td>Manufacturer</td>
</tr>
<tr>
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<td>----------</td>
<td>------------</td>
<td>------</td>
<td>--------------</td>
</tr>
<tr>
<td>1</td>
<td>Radio Tower Ln, Centre, Snow Shoe, PA 40 ° 55 10.00 N LAT. 77 ° 58 31.00 W LONG.</td>
<td>1</td>
<td>5 meters</td>
<td>Scientific Atlanta</td>
</tr>
<tr>
<td>2</td>
<td>2820 E College Ave, Centre, State College, PA 40 ° 49 43.00 N LAT. 77 ° 48 5.00 W LONG.</td>
<td>2</td>
<td>3.8 meters</td>
<td>Patriot Antenna Systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>3 meters</td>
<td>Wineguard</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2205 College Avenue, Chemung, Elmira, NY 42° 7' 53.80" N LAT. 76° 49' 36.10" W LONG.

ANTENNA ID: 3.7M 3.8 meters Patriot 3.8M

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

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181004–04769 E191139 Community Broadcasters, LLC
Registration Grant of Authority Date Effective: 12/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 42
LOCATION: NYS Route 417, Cattaraugus, Olean, NY 42° 4' 36.50" N LAT. 78° 28' 26.80" W LONG.

ANTENNA ID: 3.8M 3.8 meters Simulsat 3.8M

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

Points of Communication:

42 - PERMITTED LIST - ()

SES–REG–20181004–04771 E191141 Community Broadcasters, LLC
Registration Grant of Authority Date Effective: 12/23/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 33
LOCATION: 51 Commerce Street, Sumter, Sumter, SC 33° 55' 22.70" N LAT. 80° 19' 53.12" W LONG.

ANTENNA ID: ANT1 3.8 meters Comtech 3.8M

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

Points of Communication:
<table>
<thead>
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<th>Registration</th>
<th>SES-REG-20181004-04772</th>
<th>Community Broadcasters, LLC</th>
<th>E191142</th>
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<tbody>
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<td>Date Effective: 12/23/2019</td>
<td>10/04/2018 - 10/04/2033</td>
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<td>Class of Station</td>
<td>Fixed Earth Stations</td>
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</tr>
<tr>
<td>Nature of Service</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>SITE ID</td>
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<td>LOCATION</td>
<td>200 Regional Parkway Building C, Orangeburg, Orangeburg, SC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAT</td>
<td>33 ° 33´ 10.50&quot; N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LONG</td>
<td>80 ° 49´ 28.27&quot; W</td>
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<td>Points of Communication</td>
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<table>
<thead>
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<th>SES-REG-20181004-04791</th>
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<td>10/04/2018 - 10/04/2033</td>
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<td>Class of Station</td>
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<tr>
<td>Nature of Service</td>
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<td>LOCATION</td>
<td>3436 Old Highway 45 N, Lauderdale, Meridian, MS</td>
<td></td>
</tr>
<tr>
<td>LAT</td>
<td>32 ° 23´ 33.40&quot; N</td>
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<tr>
<td>LONG</td>
<td>88 ° 40´ 16.00&quot; W</td>
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<td>ID</td>
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<tr>
<td>Freq</td>
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<tr>
<td>Power</td>
<td>36M0G7W 0.00 dBW</td>
<td></td>
</tr>
<tr>
<td>Points of Communication</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Registration</th>
<th>SES-REG-20181004-04792</th>
<th>New South Radio Inc, E191162</th>
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</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td>Date Effective: 12/23/2019</td>
<td>10/04/2018 - 10/04/2033</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>
<tr>
<td>SITE ID</td>
<td>1</td>
<td></td>
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<tr>
<td>LOCATION</td>
<td>265 Highpoint Dr. 265 Highpoint Dr., Raymond, Ridgeland, MS</td>
<td></td>
</tr>
<tr>
<td>LAT</td>
<td>32 ° 24´ 12.50&quot; N</td>
<td></td>
</tr>
<tr>
<td>LONG</td>
<td>90 ° 10´ 33.30&quot; W</td>
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</tr>
</tbody>
</table>
Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181004–04793  E  E191163  Asociacion Evangelistica Cristo Viene
Registration
Grant of Authority  10/02/2018 - 10/02/2033
Date Effective:  12/23/2019

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

SITE ID:  Roncador
LOCATION:  End of Road PR 603 Sector Roncador, Utuado, PR
18 ° 14’ 0.00 “ N LAT.  66 ° 45’ 33.00 “ W LONG.

ANTENNA ID:  ANT1  3.7 meters  Prodelin  Series 1374

3700.0000 - 4200.0000 MHz  36M0G7W  Analog/Digital video with associated audio subcarriers

Points of Communication:

Roncador - PERMITTED LIST - ()

SES–REG–20181004–04798  E  E191168  AVC Communications
Registration
Grant of Authority  10/04/2018 - 10/04/2033
Date Effective:  12/23/2019

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

SITE ID:  3
LOCATION:  4988 Skyline Drive 4988 Skyline Drive, Guernsey, Cambridge, OH
38 ° 54’ 1.10 “ N LAT.  77 ° 2’ 2.20 “ W LONG.

ANTENNA ID:  ANT1  4.6 meters  Scientific Atlanta  8346

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Analog audio with associated sub-carriers

Points of Communication:

3 - PERMITTED LIST - ()

Registration
Grant of Authority  06/20/2018 - 06/20/2033
Date Effective:  12/23/2019

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

**SITE ID:** 1  
**LOCATION:** 1420 S 5th St, CHOCTAW, HUGO, OK  
33° 59' 56.20" N LAT.  
95° 30' 15.70" W LONG.  

**ANTENNA ID:** 3.8Pa  
3.8 meters  
Patriot  
3.8 Meter  

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier

### Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Carrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>REMOTE3</td>
<td>BLANKET USA 1.2M. VSAT, CONUS, (2000 UNITS)</td>
<td>SERIES 1134</td>
<td>14000.0000 - 14500.0000 MHz 46.21 dBW</td>
<td>SCPC MSK/BPSK DIGITAL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>11700.0000 - 12200.0000 MHz 400KF1D</td>
<td>SCPC MSK/BPSK DIGITAL</td>
</tr>
<tr>
<td>REMOTE2</td>
<td>BLANKET USA 2.4M. VSAT, CONUS, (500 UNITS)</td>
<td>SERIES 1251</td>
<td>14000.0000 - 14500.0000 MHz 52.21 dBW</td>
<td>SCPC MSK/BPSK DIGITAL</td>
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<td></td>
<td></td>
<td></td>
<td>11700.0000 - 12200.0000 MHz 400KF1D</td>
<td>SCPC MSK/BPSK DIGITAL</td>
</tr>
<tr>
<td>REMOTE1</td>
<td>BLANKET USA 1.8M. VSAT, CONUS, (500 UNITS)</td>
<td>SERIES 1184</td>
<td>14000.0000 - 14500.0000 MHz 49.51 dBW</td>
<td>SCPC MSK/BPSK DIGITAL</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>11700.0000 - 12200.0000 MHz 400KF1D</td>
<td>SCPC MSK/BPSK DIGITAL</td>
</tr>
<tr>
<td>HUB</td>
<td>4211 CORONADO AVE. (2)-4.6M. HUB, SAN JOAQUIN, STOCKTON, CA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>37° 59' 30.00&quot; N LAT. 121° 17' 23.00&quot; W LONG.</td>
<td></td>
</tr>
</tbody>
</table>
Points of Communication:

HUB - PERMITTED LIST - ()
REMOTE1 - PERMITTED LIST - ()
REMOTE2 - PERMITTED LIST - ()
REMOTE3 - PERMITTED LIST - ()

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: HUB (SECONDARY)
LOCATION: 2001 BEAR HOLLOW ROAD 6.1M. SECONDARY HUB), MCDONALD, PINEVILLE, MO
36 ° 30 ’ 6.00 ” N LAT. 94 ° 15 ’ 57.00 ” W LONG.

ANTENNA ID: HUB (2) 6.1 meters HARRIS 5346

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Output Power</th>
<th>Modulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0F9F</td>
<td>67.40 dBW</td>
<td>FM VIDEO WITH AUDIO SUB CRX</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>12M0G7D</td>
<td>77.30 dBW</td>
<td>QPSK, DATA, INROUTE, 10 MSPS</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>24M0G7D</td>
<td>80.30 dBW</td>
<td>QPSK, DATA, INROUTE, 20 MSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0G7D</td>
<td>82.10 dBW</td>
<td>QPSK, DATA, INROUTE, 30 MSPS</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>6M00G7D</td>
<td>74.30 dBW</td>
<td>QPSK, DATA, INROUTE, 5 MSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>200KG7D</td>
<td></td>
<td>QPSK, DATA, INROUTE, 128 KSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>400KG7D</td>
<td></td>
<td>QPSK, DATA, INROUTE, 256 KSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>800KG7D</td>
<td></td>
<td>QPSK, DATA, INROUTE, 512 KSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>1M60G7D</td>
<td></td>
<td>QPSK, DATA, INROUTE, 1024 KSPS</td>
</tr>
</tbody>
</table>

SITE ID: HUB (PRIMARY)
LOCATION: 702 S.W. 8TH STREET (9.0M. PRIMARY HUB), BENTON, BENTONVILLE, AR
36 ° 21 ’ 58.00 ” N LAT. 94 ° 13 ’ 8.00 ” W LONG.

ANTENNA ID: HUB (1) 9 meters VERTEX 5351
### VSAT 2
**SITE ID:** VSAT 2  
**LOCATION:** RAVEN 0.74M. VSAT, (2000 UNITS), CONUS, AK, HI, PR  
**ANTENNA ID:** HNS-1035610  

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power</th>
<th>Modulation</th>
<th>Throughput</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0F9F</td>
<td>71.30 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>10 MSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>12M0G7D</td>
<td>81.20 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>20 MSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>24M0G7D</td>
<td>84.20 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>30 MSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0G7D</td>
<td>85.90 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>5 MSPS</td>
</tr>
</tbody>
</table>

### VSAT 3
**SITE ID:** VSAT 3  
**LOCATION:** PROD. 0.98M. VSAT, (10000 UNITS), CONUS, AK, HI, PR  
**ANTENNA ID:** 9008668  

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power</th>
<th>Modulation</th>
<th>Throughput</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>200KG7D</td>
<td>41.70 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>128 KSPS</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>400KG7D</td>
<td>41.70 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>256 KSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>800KG7D</td>
<td>41.70 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>512 KSPS</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>1M60G7D</td>
<td>41.70 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>1024 KSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0F9F</td>
<td>44.30 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>128 KSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>6M00G7D</td>
<td>44.30 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>256 KSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>12M0G7D</td>
<td>44.30 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>10 MSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>24M0G7D</td>
<td>44.30 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>20 MSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0G7D</td>
<td>44.30 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>30 MSPS</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>ID</td>
<td>Signal Level</td>
<td>Modulation</td>
<td>Bandwidth</td>
</tr>
<tr>
<td>-----------------</td>
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<td>------------</td>
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</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>1M60G7D</td>
<td>44.30 dBW</td>
<td>QPSK, DATA, INROUTE</td>
<td>1024 KSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0P9F</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 256 KSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>6M00G7D</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 512 KSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>12M0G7D</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 1024 KSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>24M0G7D</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 20 MSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0G7D</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 30 MSPS</td>
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**SITE ID:** VSAT 4  
**LOCATION:** PROD. 1.2M. VSAT, (10000 UNITS), CONUS, AK, HI, PR

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>ID</th>
<th>Signal Level</th>
<th>Modulation</th>
<th>Bandwidth</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>200KG7D</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 128 KSPS</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>400KG7D</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 256 KSPS</td>
<td></td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>800KG7D</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 512 KSPS</td>
<td></td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>1M60G7D</td>
<td>46.10 dBW</td>
<td>QPSK, DATA, INROUTE, 1024 KSPS</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0P9F</td>
<td>49.70 dBW</td>
<td>QPSK, DATA, INROUTE, 128 KSPS</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>6M00G7D</td>
<td>49.70 dBW</td>
<td>QPSK, DATA, INROUTE, 256 KSPS</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>12M0G7D</td>
<td>49.70 dBW</td>
<td>QPSK, DATA, INROUTE, 512 KSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>24M0G7D</td>
<td>49.70 dBW</td>
<td>QPSK, DATA, INROUTE, 1024 KSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0G7D</td>
<td>49.70 dBW</td>
<td>QPSK, DATA, INROUTE, 30 MSPS</td>
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</tbody>
</table>

**SITE ID:** VSAT 5  
**LOCATION:** PROD. 1.8M. VSAT, (1000 UNITS), CONUS, AK, HI, PR
11700.0000 - 12200.0000 MHz  12M0G7D  QPSK, DATA, INROUTE, 10 MSPS
11700.0000 - 12200.0000 MHz  24M0G7D  QPSK, DATA, INROUTE, 20 MSPS
11700.0000 - 12200.0000 MHz  36M0G7D  QPSK, DATA, INROUTE, 30 MSPS

SITE ID:  VSAT 6
LOCATION:  PROD. 2.4M. VSAT, (1000 UNITS), CONUS, AK, HI, PR

ANTENNA ID:  2.4M. PROD  2.4 meters PRODELIN  1244

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>200KG7D</td>
<td>52.20 dBW</td>
<td>QPSK, DATA, INROUTE, 128 KSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>400KG7D</td>
<td>52.20 dBW</td>
<td>QPSK, DATA, INROUTE, 256 KSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>800KG7D</td>
<td>52.20 dBW</td>
<td>QPSK, DATA, INROUTE, 512 KSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>1M60G7D</td>
<td>52.20 dBW</td>
<td>QPSK, DATA, INROUTE, 1024 KSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0P9F</td>
<td>42.00 dBW</td>
<td>FM VIDEO WITH AUDIO SUB CRX</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>6M00G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 5 MSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 30 MSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>24M0G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 20 MSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>12M0G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 10 MSPS</td>
</tr>
</tbody>
</table>

SITE ID:  VSAT 1
LOCATION:  PROD. 0.74M. VSAT, (5000 UNITS), CONUS, AK, HI, PR

ANTENNA ID:  .74M. PROD  0.74 meters PRODELIN  HANT-91TR

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>200KG7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 128 KSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>400KG7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 256 KSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>800KG7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 512 KSPS</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>1M60G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 1024 KSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0P9F</td>
<td>42.00 dBW</td>
<td>FM VIDEO WITH AUDIO SUB CRX</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>6M00G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 5 MSPS</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>12M0G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 10 MSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>24M0G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 20 MSPS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0G7D</td>
<td>42.00 dBW</td>
<td>QPSK, DATA, INROUTE, 30 MSPS</td>
</tr>
</tbody>
</table>
Points of Communication:

<table>
<thead>
<tr>
<th>Points of Communication</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>HUB (PRIMARY) - GALAXY 18 (S2733) - (123 W.L.)</td>
<td></td>
</tr>
<tr>
<td>HUB (PRIMARY) - PERMITTED LIST - ()</td>
<td></td>
</tr>
<tr>
<td>HUB (SECONDARY) - GALAXY 18 (S2733) - (123 W.L.)</td>
<td></td>
</tr>
<tr>
<td>HUB (SECONDARY) - PERMITTED LIST - ()</td>
<td></td>
</tr>
<tr>
<td>VSAT 1 - GALAXY 18 (S2733) - (123 W.L.)</td>
<td></td>
</tr>
<tr>
<td>VSAT 2 - GALAXY 18 (S2733) - (123 W.L.)</td>
<td></td>
</tr>
<tr>
<td>VSAT 3 - GALAXY 18 (S2733) - (123 W.L.)</td>
<td></td>
</tr>
<tr>
<td>VSAT 4 - GALAXY 18 (S2733) - (123 W.L.)</td>
<td></td>
</tr>
<tr>
<td>VSAT 4 - PERMITTED LIST - ()</td>
<td></td>
</tr>
<tr>
<td>VSAT 5 - GALAXY 18 (S2733) - (123 W.L.)</td>
<td></td>
</tr>
<tr>
<td>VSAT 5 - PERMITTED LIST - ()</td>
<td></td>
</tr>
<tr>
<td>VSAT 6 - GALAXY 18 (S2733) - (123 W.L.)</td>
<td></td>
</tr>
<tr>
<td>VSAT 6 - PERMITTED LIST - ()</td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 17625 TECHNOLOGY BOULEVARD, WASHINGTON, HAGERSTOWN, MD
39° 35' 56.60" N LAT. 77° 45' 27.50" W LONG.

**ANTENNA ID:** 1
9.3 meters

**VERTEX RSI:**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>72M0G7W</td>
<td>89.20 dBW</td>
<td>DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES AND TYPES OF INFORMATION</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>43K0G7W</td>
<td>57.50 dBW</td>
<td>DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES AND TYPES OF INFORMATION</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>36M0F3F</td>
<td>87.60 dBW</td>
<td>STANDARD VIDEO WITH ASSOCIATED AUDIO SUB-CARRIERS</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>72M0G7W</td>
<td></td>
<td>DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES AND TYPES OF INFORMATION</td>
</tr>
</tbody>
</table>
Points of Communication:

1 - PERMITTED LIST - ()

**EchoStar BSS Corporation**

On December 19, 2019, EchoStar BSS Corporation was granted special temporary authority for 60 days, beginning December 19, 2019, to operate its fixed earth station in Cheyenne, WY to provide telemetry, tracking, and command (TT&C) for the EchoStar 23 satellite during its drift from the 44.9° W.L. orbital location to the 72.6° W.L. orbital location in the 17.3-17.310 GHz (Earth-to-space) and 12.20-12.21 GHz (space-to-Earth) frequency bands.

Points of Communication:

**Alascom, Inc.**

On December 18, 2019, Sirius XM Radio Inc. was granted special temporary authority for 60 days beginning December 20, 2019 to operate its fixed earth station in Vernon, NJ to provide Telemetry, Tracking and Control (TT&C) services for its DARS fleet via Sirius XM satellites in the 7025-7075 MHz (Earth-to-space), and 2320-2345 MHz (space-to-Earth) frequency bands.

Points of Communication:

**Intelsat License LLC**

On December 18, 2019, Intelsat License LLC is granted extension of STA for 60 days to operate at geographic coordinates 39° 35'53.1" N/077° 45' 22.3" W (NAD-83) in Hagerstown, Maryland to provide telemetry, tracking, and command ("TT&C") services for the Galaxy 11 (Call Sign S2253) satellite at permanent orbital location 93.1° W. Operations.
**Class of Station:**

On December 27, 2019, Lockheed Martin Corporation ("Lockheed Martin") is granted special temporary authority for 30 days, beginning December 27, 2019, to operate its Carpentersville, New Jersey fixed earth station to provide telemetry, tracking, and control ("TT&C") functions during the Launch and Early Operations Phase ("LEOP") period of ranging and propulsion monitoring for the JCSAT-18 satellite at the 150.0° E.L. orbital location using the following frequencies:

- 13.7525 GHz, and 14.4990.0 GHz, (Earth-to-space);
- 12.7485 GHz, and 12.7495 GHz (space-to-Earth).

**Points of Communication:**

**Class of Station:**

On December 20, 2019, SpaceX Services, Inc. (SpaceX Services) was granted special temporary authority for 30 days, beginning December 20, 2019, to operate its fixed earth station in Greenville, PA to provide telemetry, tracking and command (TT&C) services to its non-geostationary orbit (NGSO) Starlink satellites (Call Signs S2983/3018) during the orbit-raising and on-orbit operations on center frequencies: 13.925 GHz (Earth-to-space) and 12.221 GHz (space-to-Earth); and to test the communications payload on the Starlink satellites in the 14.0-14.5 GHz (Earth-to-space), 10.7-12.7 GHz (space-to-Earth), 28.350-29.100 GHz and 29.5-30.0 GHz (Earth-to-space), 17.8-18.6 GHz, 18.8-19.3 GHz (space-to-Earth), 19.7-20.2 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

**Class of Station:**

On December 20, 2019, Hawaii Pacific Teleport, L.P. was granted special temporary authority for 60 days, beginning December 29, 2019, 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.

**Points of Communication:**

**Class of Station:**

On December 19, 2019, Intelsat License LLC was granted special temporary authority for 60 days, beginning December 19, 2019, 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 the 93.1° W.L. orbital location in the 14.000.5 MHz and 14498.5 MHz (Earth-to-Space), and 11701.0 MHz and 11702.0 MHz (space-to-Earth) frequency bands.
SES-T/C-20190910-01140  E050101  Motor Racing Network, Inc.
Application for Consent to Transfer of Control
Grant of Authority
Date Effective: 12/18/2019

Current Licensee:  Motor Racing Network, Inc.
FROM: International Speedway Corporation
TO: NASCAR Holdings, Inc.
No. of Station(s) listed: 3

SES-T/C-20191010-01286  E980172  Oregon TV License Company LLC
Application for Consent to Transfer of Control
Grant of Authority
Date Effective: 12/23/2019

Current Licensee: Oregon TV License Company LLC
FROM: USA Television Holdings, LLC
TO: Allen Media Broadcasting Evansville, Inc.
No. of Station(s) listed: 1

SES-T/C-20191120-01526  E2516  CoBridge Broadband, LLC
Application for Consent to Transfer of Control
Grant of Authority
Date Effective: 12/18/2019

Current Licensee: CoBridge Broadband, LLC
FROM: Fidelity Communications Co.
TO: Cable One, Inc.
No. of Station(s) listed: 1

SES-T/C-20191211-01744  E120180  Univision Radio Stations Group, Inc.
Application for Consent to Transfer of Control
Grant of Authority
Date Effective: 12/23/2019

Current Licensee: Univision Radio Stations Group, Inc.
FROM: UNIVISION LOCAL MEDIA, INC.
TO: Univision Communications Inc.
No. of Station(s) listed: 2

Dismissal
SES-LIC-20181108-05233  E191613  ALTENNGA BROADCASTING, LLC
This application is dismissed pursuant to the temporary freeze on applications for new or modified FSS earth stations announced in Temporary Freeze on Applications for New or Modified Fixed Satellite Service Earth Stations and Fixed Microwave Stations in the 3.7-4.2 GHz Band; 90-Day Window to File Applications for Earth Stations Currently Operating in 3.7-4.2 GHz Band, Public Notice, 33 FCC Rcd 3841 (IB/PSHSB/WTB 2018).

SES-MOD-20181203-03530  E040013  Jackson Energy Authority
This application is dismissed pursuant to the temporary freeze on applications for new or modified FSS earth stations announced in Temporary Freeze on Applications for New or Modified Fixed Satellite Service Earth Stations and Fixed Microwave Stations in the 3.7-4.2 GHz Band; 90-Day Window to File Applications for Earth Stations Currently Operating in 3.7-4.2 GHz Band, Public Notice, 33 FCC Rcd 3841 (IB/PSHSB/WTB 2018).

SES-MOD-20181231-03800  KB49  CoxCom, LLC
This application is dismissed pursuant to the temporary freeze on applications for new or modified FSS earth stations announced in Temporary Freeze on Applications for New or Modified Fixed Satellite Service Earth Stations and Fixed Microwave Stations in the 3.7-4.2 GHz Band; 90-Day Window to File Applications for Earth Stations Currently Operating in 3.7-4.2 GHz Band, Public Notice, 33 FCC Rcd 3841 (IB/PSHSB/WTB 2018)."

SES-REG-20181113-05215  E191595  Clarity Telecom, LLC DBA Vast Broadband
This application is dismissed pursuant to the temporary freeze on applications for new or modified FSS earth stations announced in Temporary Freeze on Applications for New or Modified Fixed Satellite Service Earth Stations and Fixed Microwave Stations in the 3.7-4.2 GHz Band; 90-Day Window to File Applications for Earth Stations Currently Operating in 3.7-4.2 GHz Band, Public Notice, 33 FCC Rcd 3841 (IB/PSHSB/WTB 2018)."
For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.