Public Notice

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission’s Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

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

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

See IBFS File No.SES-LIC-20190906-01170 for a description of application.

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

**ANTENNA ID:** 1  
**ID:** 1.47 meters  
**SpaceX:** 480MD7W  
**Power:** 60.50 dBW  
**Modulation:** BPSK up to 64QAM; Digital Data

- **29500.0000 - 30000.0000 MHz**
- **27500.0000 - 29100.0000 MHz**
- **18800.0000 - 19300.0000 MHz**
- **17800.0000 - 18600.0000 MHz**

**Points of Communication:**

1 - SPACEX (S2983/3018) - (NGSO)
SES-ASG-20191120-01531  E  E890118  WITI License, LLC ( d/b/a C/O NEXSTAR MEDIA GROUP, INC. )
Application for Consent to Assignment
Current Licensee:  WITI License, LLC
FROM:  c/o Nexstar Media Group, Inc.
TO:  Fox Television Stations, LLC
No. of Station(s) listed: 1

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

SES-LIC-20190906-01170  E  E190724  SpaceX Services, Inc.
Application for Authority
Class of Station:  Fixed Earth Stations
Nature of Service:  Fixed Satellite Service

See IBFS File No. SES-AMD-20191129-01548 for a description of application.

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

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

Points of Communication:
1 - SPACEX (S2983/3018) - (NGSO)

SES-MOD-20181012-03585  E  E180252  KUTV Licensee, LLC
Application for Modification
Class of Station:  Fixed Earth Stations
Nature of Service:  Fixed Satellite Service

KUTV Licensee, LLC requests modification of its fixed earth station in Salt Lake City, UT to update the geographic coordinates, and to add (five) 4.5 meter and (one) 3.8 meter antennas to communicate with the Permitted List satellites in the 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID:  1
LOCATION:  299 South Main St Suite 150, Salt Lake, Salt Lake City, UT
40 ° 45’ 47.00” N LAT.  111 ° 53’ 22.20” W LONG.

ANTENNA ID:  1  4.5 meters  Andrew Corporation  4.5M
Points of Communication:

1 - PERMITTED LIST - ()

GlobeCast America Incorporated requests modification of its fixed earth station in Culver City, CA to update the geographic coordinates, and to add (one) 2.5 meter and (one) 3.6 meter antennas to communicate with the Permitted List satellites in the 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: 10525 West Washington Blvd., LOS ANGELES, CULVER CITY, CA
34 ° 1' 5.00 " N LAT. 118 ° 24' 15.60 " W LONG.

ANTENNA ID: 1 11.3 meters SATCOM TECHNOLOGIES 1100CS
5925.0000 - 6425.0000 MHz 1M50F7D 79.20 dBW
5925.0000 - 6425.0000 MHz 36M0F3F 63.00 dBW
5925.0000 - 6425.0000 MHz 200KF3E 63.00 dBW
3700.0000 - 4200.0000 MHz 1M50F7D
3700.0000 - 4200.0000 MHz 36M0F3F
3700.0000 - 4200.0000 MHz 200KF3E

ANTENNA ID: 2 9.3 meters ANDREW 50.5
5925.0000 - 6425.0000 MHz 36M0F3F 77.70 dBW ANALOG VIDEO WITH ASSOCIATED AUDIO
5925.0000 - 6425.0000 MHz 9M00G7D 77.90 dBW COMPRESSED DIGITAL VIDEO
CBTV LLC requests modification of its temporary-fixed earth station to add (2) 1.2 meter antennas to communicate with the Permitted List satellites in the 14000-14500 MHz (Earth-to-space), and 11700-12200 MHz (space-to-Earth) frequency bands.

Nature of Service: Fixed Satellite Service
### Points of Communication:

<table>
<thead>
<tr>
<th>PERMITTED LIST</th>
</tr>
</thead>
</table>

#### SES–REG–20181004–04828

**Registration**

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 977 Centerville Turnpike, Virginia Beach, Virginia Beach, VA

<table>
<thead>
<tr>
<th>LAT.</th>
<th>LONG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>36°48’1.50”</td>
<td>76°11’30.00”</td>
</tr>
</tbody>
</table>

**ANTENNA ID:**

<table>
<thead>
<tr>
<th>ID</th>
<th>DESCRIPTION</th>
<th>DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Comtech</td>
<td>7.3 meters</td>
</tr>
<tr>
<td>2</td>
<td>Prodelin</td>
<td>4.3 meters</td>
</tr>
<tr>
<td>3</td>
<td>SSE</td>
<td>4.5 meters</td>
</tr>
<tr>
<td>4</td>
<td>SSE</td>
<td>4.3 meters</td>
</tr>
<tr>
<td>5</td>
<td>SSE</td>
<td>4.3 meters</td>
</tr>
<tr>
<td>6</td>
<td>SSE</td>
<td>4.3 meters</td>
</tr>
<tr>
<td>7</td>
<td>Comtech</td>
<td>5 meters</td>
</tr>
<tr>
<td>8</td>
<td>Unimesh</td>
<td>3.8 meters</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()
GOOD LIFE BROADCASTING, INC.

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 31 Skyline Drive (WTGL-Studio), Seminole, Lake Mary, FL
28° 44' 22.00" N LAT. 81° 22' 7.00" W LONG.

ANTENNA ID: WTGL C-1
5 meters AFC 5.0
3700.0000 - 4200.0000 MHz 36M0G7W DVB-S2 Mpeg-4 HD Video/Audio/Data

ANTENNA ID: WTGL C2-5
4.5 meters Prime Focus 4.5
3700.0000 - 4200.0000 MHz 36M0G7W DVB-S2 Mpeg-4 HD Video/Audio/Data

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

Tennessee Broadcasting Partners

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 346 Muse Street, Jackson, TN
35° 38' 32.00" N LAT. 88° 48' 28.00" W LONG.

ANTENNA ID: 1
7.3 meters Andrew 73MC
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW Compressed Digital Video

ANTENNA ID: 2
4.5 meters Andrew 49f48-3T906F
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW Compressed Digital Video

ANTENNA ID: 3
6.1 meters Harris 6521
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW Compressed Digital Video

ANTENNA ID: 4
3 meters Uniden 3MC
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW Compressed Digital Video

ANTENNA ID: 5
3.4 meters Prodelin 156918
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW Compressed Digital Video
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Operator</th>
<th>Frequency Range</th>
<th>Model</th>
<th>Power Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>3.1 meters</td>
<td>Patriot</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>0.00 dBW</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Compressed Digital Video</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>4.5 meters</td>
<td>General Dynamics</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>0.00 dBW</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Compressed Digital Video</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>3.4 meters</td>
<td>General Dynamics</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7F</td>
<td>0.00 dBW</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Standard Analog Video</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES–REG–20181005–04848**

Registration: BEASLEY MEDIA GROUP LICENSES, LLC

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 55 Horse Hill Road (1 Morristown), Morris, Cedar Knolls, NJ

40 ° 48' 49.30" N LAT. 74 ° 27' 44.70" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Operator</th>
<th>Frequency Range</th>
<th>Model</th>
<th>Power Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.7 meters</td>
<td>Prodelin</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital Video and Data</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES–REG–20181005–04880**

Registration: N. W. Communications

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1994 N Hampton, Hickory County, Wheatland, MO

37 ° 56' 48.01" N LAT. 93 ° 23' 49.62" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Operator</th>
<th>Frequency Range</th>
<th>Model</th>
<th>Power Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.8 meters</td>
<td>Patriot</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>QPSK, compressed video</td>
</tr>
<tr>
<td>2</td>
<td>3.8 meters</td>
<td>Patriot</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>QPSK, compressed video</td>
</tr>
<tr>
<td>3</td>
<td>3.8 meters</td>
<td>Patriot</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>QPSK, compressed video</td>
</tr>
</tbody>
</table>
3700.0000 - 4200.0000 MHz  36M0G7W  QPSK, compressed video

ANTENNA ID:  4  3.8 meters  Patriot  PRT-380

3700.0000 - 4200.0000 MHz  36M0G7W  QPSK, compressed video

ANTENNA ID:  5  3.8 meters  Patriot  PRT-380

3700.0000 - 4200.0000 MHz  36M0G7W  QPSK, compressed video

ANTENNA ID:  6  3.7 meters  Prodelin  1374-995

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181006-04911  E  E191282  Spanish Television of Denver, Inc.

Registration

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1

LOCATION:  2524 Grapevine Rd (Morrison), Jefferson, Idledale, CO

39° 40' 18.24" N LAT.  105° 13' 8.27" W LONG.

ANTENNA ID:  1  4.5 meters  Dawn/DH Satellite  D45FAE

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

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181006-04913  E  E191284  KUVI License Partnership, G.P.

Registration

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1

LOCATION:  Off Breckenridge Road (35), Kern, Bakersfield, CA

35° 26' 16.80" N LAT.  118° 44' 26.54" W LONG.

ANTENNA ID:  1  3.1 meters  Unknown  Unknown

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

Points of Communication:

1 - PERMITTED LIST - ()
### SES-REG-20181006-04915

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

<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>MODULATION AND SERVICES</th>
<th>Points of Communication</th>
</tr>
</thead>
</table>
| 1       | 1360 W Belt Line Rd (Milton), Dallas, Cedar Hill, TX  
32° 35' 22.00" N LAT.  
96° 58' 12.90" W LONG. | 1  
Patriot | 3.8 meters  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW | Digital Video, Audio, and Data |

### SES-REG-20181008-04926

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

<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>MODULATION AND SERVICES</th>
<th>Points of Communication</th>
</tr>
</thead>
</table>
| 1       | 500 East J. Street (Hastings Studio), Adams, Hastings, NE  
40° 34' 3.61" N LAT.  
98° 22' 34.20" W LONG. | 1  
Scientific Atlanta | 2.8 meters  
3700.0000 - 4200.0000 MHz  
30M0G7W | Modulation and Services Digital Video |

### SES-REG-20181008-04963

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

<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>MODULATION AND SERVICES</th>
<th>Points of Communication</th>
</tr>
</thead>
</table>
| 1       | 403 E 25th St (Kearney Studio), Buffalo, Kearney, NE  
40° 41' 59.43" N LAT.  
99° 4' 32.92" W LONG. | 1  
Scientific Atlanta | 2.8 meters  
3700.0000 - 4200.0000 MHz  
30M0G7W | Modulation and Services Modulation and Services Digital Video |
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 252 Pillow St, United States, Butler, PA
40° 51' 38.00" N LAT. 79° 54' 30.00" W LONG.
ANTENNA ID: ANTI 3.8 meters Andersen 4p12.5-S
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW

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

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

SITE ID: 1
LOCATION: 383 FD Roosevelt Ave, San Juan, San Juan, PR
18° 25' 20.30" N LAT. 66° 4' 11.40" W LONG.
ANTENNA ID: WKAQ-1 5 meters DH Satellite 5 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital video, audio and data on phase modulated carriers

Points of Communication:
1 - PERMITTED LIST - ()

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

SITE ID: WFLM Ant1
LOCATION: 6803 So. Federal Highway, Saint Lucie, Port St. Lucie, FL
27° 20' 27.00" N LAT. 80° 19' 35.00" W LONG.
ANTENNA ID: Ant1 3.7 meters Dawnco D37F484PC5.5
3700.0000 - 4200.0000 MHz 300KG7W 0.00 dBW Digital Audio

Points of Communication:
WFLM Ant1 - PERMITTED LIST - ()
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Chesaning

**LOCATION:** 7114 W Gary Rd, Saginaw, Chesaning, MI

43° 13’ 12.30” N LAT. 84° 3’ 11.50” W LONG.

**ANTENNA ID:** 3m 3 meters Channel Master 3.0 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

- Chesaning - PERMITTED LIST - ()

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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Arkwright

**LOCATION:** 9030 Center Road, Chautauqua, Arkwright, NY

42° 23’ 33.70” N LAT. 79° 14’ 8.70” W LONG.

**ANTENNA ID:** 3.9m 3.9 meters DH 3.9 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

**Points of Communication:**

- Arkwright - PERMITTED LIST - ()

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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Augusta

**LOCATION:** 160 Riverside Drive, Kennebec, Augusta, ME

44° 19’ 40.60” N LAT. 69° 45’ 47.70” W LONG.

**ANTENNA ID:** 3m 3 meters Harris Delta Gain

3700.0000 - 4200.0000 MHz 36M0G7W DVB-S, QPSK, 1/2 Rate FEC, MPEG audio and associated files & data.

**Points of Communication:**

- Augusta - PERMITTED LIST - ()
<table>
<thead>
<tr>
<th>Class of Station:</th>
<th>Fixed Earth Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>SITE ID:</td>
<td>Goreville</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>2900 Goreville Rd., Johnson, Goreville, IL</td>
</tr>
<tr>
<td>LAT.:</td>
<td>37° 33' 26.20&quot; N</td>
</tr>
<tr>
<td>LONG.:</td>
<td>89° 1' 24.50&quot; W</td>
</tr>
<tr>
<td>ANTENNA ID:</td>
<td>3.8m 3.8 bytes General Dynamics 3.8 Meter</td>
</tr>
<tr>
<td>FREQUENCY:</td>
<td>3700.0000 - 4200.0000 MHz</td>
</tr>
<tr>
<td>MODE:</td>
<td>Digital Video Carrier</td>
</tr>
</tbody>
</table>

Points of Communication:

- Goreville - PERMITTED LIST - ()

---

<table>
<thead>
<tr>
<th>Class of Station:</th>
<th>Fixed Earth Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>SITE ID:</td>
<td>WCFE Studio</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>1 Sesame St., United States, Plattsburgh, NY</td>
</tr>
<tr>
<td>LAT.:</td>
<td>44° 42' 19.00&quot; N</td>
</tr>
<tr>
<td>LONG.:</td>
<td>73° 28' 55.00&quot; W</td>
</tr>
<tr>
<td>ANTENNA ID:</td>
<td>WCFE-SAT9 3 meters DH Satellite 30DH1</td>
</tr>
<tr>
<td>FREQUENCY:</td>
<td>3700.0000 - 4200.0000 MHz</td>
</tr>
<tr>
<td>MODE:</td>
<td>Modulation and services 8PSK, QPSK, Digital Video Services</td>
</tr>
</tbody>
</table>

Points of Communication:

- WCFE Studio - PERMITTED LIST - ()

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<table>
<thead>
<tr>
<th>Class of Station:</th>
<th>Fixed Earth Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>SITE ID:</td>
<td>Antenna 10</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>1050 Techwood Drive, Fulton, Atlanta, GA</td>
</tr>
<tr>
<td>LAT.:</td>
<td>33° 47' 0.60&quot; N</td>
</tr>
<tr>
<td>LONG.:</td>
<td>84° 23' 39.50&quot; W</td>
</tr>
<tr>
<td>ANTENNA ID:</td>
<td>1 11 meters Scientific Atlanta 8007</td>
</tr>
<tr>
<td>FREQUENCY:</td>
<td>3700.0000 - 4200.0000 MHz</td>
</tr>
<tr>
<td>MODE:</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
</tr>
</tbody>
</table>

Page 12 of 34
<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location</th>
<th>Antenna ID</th>
<th>Site Latitude</th>
<th>Site Longitude</th>
<th>Antenna Type</th>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Modulation and Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>231 N. Union Street Olean, NY, Cattaraugus, Olean, NY</td>
<td>12C576</td>
<td>42° 4' 49.20&quot; N</td>
<td>78° 25' 48.00&quot; W</td>
<td>Prodelin</td>
<td>3.6 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
</tr>
</tbody>
</table>

Points of Communication:

Antenna 10 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES–REG–20181009–05022</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: 42
LOCATION: 231 N. Union Street Olean, NY, Cattaraugus, Olean, NY

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Location</th>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Modulation and Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>12C576</td>
<td>Prodelin</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES–REG–20181009–05033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: 42
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Location</th>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Modulation and Service</th>
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<tbody>
<tr>
<td>8345</td>
<td>Viasat</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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<tr>
<td>SES–REG–20181009–05022</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
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SITE ID: 1
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Location</th>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Modulation and Service</th>
</tr>
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<tbody>
<tr>
<td>8345</td>
<td>Viasat</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
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<table>
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<th>Class of Station</th>
<th>Nature of Service</th>
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<tr>
<td>SES–REG–20181009–05033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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SITE ID: 1
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Location</th>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Modulation and Service</th>
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<tr>
<td>8060</td>
<td>Viasat</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
</tr>
</tbody>
</table>

Page 13 of 34
SITE ID: 3
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33° 47' 4.90" N LAT. 84° 23' 42.00" W LONG.

ANTENNA ID: 3
6.1 meters Scientific Atlanta 8060

3700.0000 - 4200.0000 MHz 15M5G1F 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz 20M0G7F 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video

Points of Communication:

1 - PERMITTED LIST - ()
2 - PERMITTED LIST - ()
3 - PERMITTED LIST - ()

SES–REG–20181009–05036 E E191414 TURNER BROADCASTING SYSTEM, INC.
Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33° 47' 2.80" N LAT. 84° 23' 41.60" W LONG.

ANTENNA ID: 1
15.5 meters RSI UAD 15.5

3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz 20M0G7F 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz 15M5G1F 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video

Points of Communication:

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

Nature of Service: Fixed Satellite Service

SITE ID: Sat B
LOCATION: 158 Midway Rd W, Pondera, Conrad, MT
48 ° 7' 49.89" N LAT. 111 ° 55' 14.06" W LONG.

ANTENNA ID: KHSI-LP 3 meters DH 30DH4

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

Points of Communication:

Sat B - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

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

ANTENNA ID: 3.8M 3.8 meters Patriot 3.8M

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

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Lexington, NC
LOCATION: 5614 E Old US Hwy 64, Davidson, Lexington, NC
80 ° 10' 50.46" W LONG.

ANTENNA ID: ALL 4.7 meters SATCOM 4.7M Prime Focus

3700.0000 - 4200.0000 MHz 36M0G7W video digital

Points of Communication:

Lexington, NC - AMC 10 (S2432) - (135 W.L.)
Lexington, NC - AMC-1(S2445) - (130.90)
Lexington, NC - AMC-11(S2433) - (131 W.L.)
Lexington, NC - AMC-18 (S2713) - (139 WL)
Lexington, NC - GALAXY 10R - (123 W.L.)
Lexington, NC - GALAXY 13 (S2386) - (127 W.L.)
Lexington, NC - GALAXY 14 (S2385) - (125 W.L.)
Lexington, NC - GALAXY 15 (S2387) - (133.1)
Lexington, NC - GALAXY 16 (S2687) - (99 W.L.)
Lexington, NC - GALAXY 17 (S2715) - (91 W.L.)
Lexington, NC - GALAXY 18 (S2733) - (123 W.L.)
Lexington, NC - GALAXY 23 (S2592) - (121 W.L.)
Lexington, NC - GALAXY 28 (S2160) - (89.0 W.L.)
State College, PA - GALAXY 17 (S2715) - (91 W.L.)
State College, PA - GALAXY 18 (S2733) - (123 W.L.)
State College, PA - GALAXY 23 (S2592) - (121 W.L.)
State College, PA - GALAXY 28 (S2160) - (89.0 W.L.)

SES–REG–20181009–05097  E  E191475    Windstream Lexcom Communications, LLC

Registration
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

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

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

Points of Communication:

Dahlonega, GA - AMC 10 (S2432) - (135 W.L.)
Dahlonega, GA - AMC-1(S2445) - (130.90)
Dahlonega, GA - AMC-11(S2433) - (131 W.L.)
Dahlonega, GA - AMC-18 (S2713) - (139 WL)
Dahlonega, GA - GALAXY 10R - (123 W.L.)
Dahlonega, GA - GALAXY 13 (S2386) - (127 W.L.)
Dahlonega, GA - GALAXY 14 (S2385) - (125 W.L.)
Dahlonega, GA - GALAXY 15 (S2387) - (133.1)
Dahlonega, GA - GALAXY 16 (S2687) - (99 W.L.)
Dahlonega, GA - GALAXY 17 (S2715) - (91 W.L.)
Dahlonega, GA - GALAXY 18 (S2733) - (123 W.L.)
Dahlonega, GA - GALAXY 23 (S2592) - (121 W.L.)
Dahlonega, GA - GALAXY 28 (S2160) - (89.0 W.L.)

SES–REG–20181009–05100  E  E191478    Windstream Lexcom Communications, LLC

Registration
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
SITE ID: Montezuma, IA
LOCATION: 301 Locust st, Poweshiek, Deep River, IA
LAT.: 41° 34' 53.01" N
LONG.: 92° 22' 22.25" W

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

Points of Communication:

Montezuma, IA - AMC 10 (S2432) - (135 W.L.)
Montezuma, IA - AMC-1(S2445) - (130.90)
Montezuma, IA - AMC-11(S2433) - (131 W.L.)
Montezuma, IA - AMC-18 (S2713) - (139 WL)
Montezuma, IA - GALAXY 10R - (123 W.L.)
Montezuma, IA - GALAXY 13 (S2386) - (127 W.L.)
Montezuma, IA - GALAXY 14 (S2386) - (125 W.L.)
Montezuma, IA - GALAXY 15 (S2387) - (133.1)
Montezuma, IA - GALAXY 16 (S2687) - (99 W.L.)
Montezuma, IA - GALAXY 17 (S2715) - (91 W.L.)
Montezuma, IA - GALAXY 18 (S2733) - (123 W.L.)
Montezuma, IA - GALAXY 23 (S2592) - (121 W.L.)
Montezuma, IA - GALAXY 28 (S2160) - (89.0 W.L.)

SES-REG-20181009-05102 E E191480 New York AM Radio, LLC
Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: WEPN
LOCATION: 101 West End Ave., New York, New York, NY
LAT.: 40° 46' 34.40" N
LONG.: 73° 59' 15.30" W

ANTENNA ID: 1 4.5 meters Patriot D38P-4Pc
3700.0000 - 4200.0000 MHz 4M50G7W Digital Programming and Data
3700.0000 - 4200.0000 MHz 72M0G7W Digital Programming and Data

Points of Communication:

WEPN - PERMITTED LIST - ()
Windstream Lexcom Communications, LLC

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Irwinton, GA
LOCATION: 113 Wrely rd, Wilkinson, Irwinton, GA
34°49'14.01" N LAT. 83°10'3.50" W LONG.

ANTENNA ID: 4.7 meters SATCOM 4.7M Prime Focus
3700.0000 - 4200.0000 MHz 36M0G7W digital

Points of Communication:

- Irwinton, GA - AMC 10 (S2432) - (135 W.L.)
- Irwinton, GA - AMC-1(S2445) - (130.90)
- Irwinton, GA - AMC-11(S2433) - (131 W.L.)
- Irwinton, GA - AMC-18 (S2713) - (139 WL)
- Irwinton, GA - GALAXY 10R - (123 W.L.)
- Irwinton, GA - GALAXY 13 (S2386) - (127 W.L.)
- Irwinton, GA - GALAXY 14 (S2385) - (125 W.L.)
- Irwinton, GA - GALAXY 15 (S2387) - (133.1)
- Irwinton, GA - GALAXY 16 (S2687) - (99 W.L.)
- Irwinton, GA - GALAXY 17 (S2715) - (91 W.L.)
- Irwinton, GA - GALAXY 18 (S2733) - (123 W.L.)

University of Houston System

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: T.V.
LOCATION: Harris, Houston, TX
29°42’51.84” N LAT. 95°20’54.96” W LONG.

ANTENNA ID: T.V.-1 8 meters Virtex 8 meter 8 meter
3700.0000 - 4200.0000 MHz 36M0G7W digital

Points of Communication:

- T.V. - PERMITTED LIST - ()
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Montezuma, IA
LOCATION: 116 South Benton, Polk County, Bolivar, MO
37 ° 36' 53.28" N LAT. 93 ° 24' 31.46" W LONG.

ANTENNA ID: 4.7M Prime Focus

Points of Communication:
- Montezuma, IA - AMC 10 (S2432) - (135 W.L.)
- Montezuma, IA - AMC-1(S2445) - (130.90)
- Montezuma, IA - AMC-11(S2433) - (131 W.L.)
- Montezuma, IA - AMC-18 (S2713) - (139 WL)
- Montezuma, IA - GALAXY 10R - (123 W.L.)
- Montezuma, IA - GALAXY 13 (S2386) - (127 W.L.)
- Montezuma, IA - GALAXY 14 (S2385) - (125 W.L.)
- Montezuma, IA - GALAXY 15 (S2387) - (133.1)
- Montezuma, IA - GALAXY 16 (S2687) - (99 W.L.)
- Montezuma, IA - GALAXY 17 (S2715) - (91 W.L.)
- Montezuma, IA - GALAXY 18 (S2733) - (123 W.L.)
- Montezuma, IA - GALAXY 23 (S2592) - (121 W.L.)
- Montezuma, IA - GALAXY 28 (S2160) - (89.0 W.L.)

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: East Nottingham
LOCATION: 1008 Hickory Hill Rd, Fayette, Oxford, PA
39 ° 46' 54.00" N LAT. 75 ° 57' 41.00" W LONG.

ANTENNA ID: ENottingham

Points of Communication:
- East Nottingham - (139 W.L.)
Points of Communication:

**Northeastern Educational Television of Ohio, Inc.**

**Nature of Service:** Fixed Satellite Service

**Location:** 1750 W. Campus Center Dr., Portage, Kent, OH

**Lat.:** 41 ° 8 ' 0.20 " N
**Long.:** 81 ° 20 ' 50.40 " W

**Antenna ID:** ANT1

**Antenna Size:** 4.5 meters

**Antenna ID:** PRT-450

**Service:**
- Digital Video: 11700.0000 - 12200.0000 MHz
- Digital Video: 3700.0000 - 4200.0000 MHz
- Analog Video with associated subcarriers: 3700.0000 - 4200.0000 MHz

---

Points of Communication:

**Fox Broadcasting Company**

**Nature of Service:** Fixed Satellite Service

**Location:** 400 N Griffin, Dallas, Dallas, TX

**Lat.:** 32 ° 46 ' 56.20 " N
**Long.:** 96 ° 48 ' 11.00 " W

**Antenna ID:** 1

**Antenna Size:** 4.5 meters

**Antenna ID:** 4.5M

**Service:**
- Digital traffic, various FEC, data rates and modulation: 3700.0000 - 4200.0000 MHz

---

**Antenna ID:** 2

**Antenna Size:** 3.8 meters

**Antenna ID:** 3.8M

**Service:**
- Digital traffic, various FEC, data rates and modulation: 3700.0000 - 4200.0000 MHz

---

**Antenna ID:** 3

**Antenna Size:** 3.1 meters

**Antenna ID:** 3.1M

**Service:**
- Digital traffic, various FEC, data rates and modulation: 3700.0000 - 4200.0000 MHz

---

**Antenna ID:** 4

**Antenna Size:** 2.5 meters

**Antenna ID:** 2.5
<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location</th>
<th>Antenna ID</th>
<th>Antenna Diameter (m)</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3845 Pleasantdale Rd, Dekalb, Atlanta, GA</td>
<td>3.7M</td>
<td>3.7 meters</td>
<td>Prodelin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital Video and Data</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>ATCi 7A</td>
<td>7 meters</td>
<td>Simulsat</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>SI-10</td>
<td>3 meters</td>
<td>Sami</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>SSE</td>
<td>4.5 meters</td>
<td>SSE</td>
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<tr>
<td>5</td>
<td></td>
<td>DH</td>
<td>4.5 meters</td>
<td>DH</td>
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<tr>
<td>6</td>
<td></td>
<td>Scientific Atlanta</td>
<td>6 meters</td>
<td>Scientific Atlanta</td>
</tr>
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</table>

### Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181010–05164** E191545 BFI Licenses, LLC

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

**SES–REG–20181010–05174** E191555 Fox Broadcasting Company

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
### ANTENNA Information

**SITE ID:** FTS  
**LOCATION:** 11358 Viking Drive, Hennepin, Eden Prairie, MN  
**LAT:** 44° 51' 51.30" N  
**LONG:** 93° 25' 13.50" W

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter (m)</th>
<th>Manufacturer</th>
<th>ID</th>
<th>Frequency Range</th>
<th>Modulation</th>
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</thead>
<tbody>
<tr>
<td>4.5M</td>
<td>4.5 meters</td>
<td>Andrew Corporation</td>
<td>ESA45-46A</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>digital data: various FEC, data rates and modulation</td>
</tr>
<tr>
<td>4.5M</td>
<td>4.5 meters</td>
<td>Patriot</td>
<td>4.5M</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>4.5M</td>
<td>4.5 meters</td>
<td>Scientific Atlanta</td>
<td>4.5</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>3.0M</td>
<td>3 meters</td>
<td>Prodelin</td>
<td>3.0</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
</tbody>
</table>

### Points of Communication:

**FTS - PERMITTED LIST - ()**

**SES–REG–20181010–05179**  
- **Registration:** E191560 Laird Broadcasting Company Inc.  
- **Class of Station:** Fixed Earth Stations  
- **Nature of Service:** Fixed Satellite Service

**SITE ID:** WDUX  
**LOCATION:** 200 Tower Rd, Waupaca, Waupaca, WI  
**LAT:** 44° 21' 17.09" N  
**LONG:** 89° 3' 34.92" W

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter (m)</th>
<th>Manufacturer</th>
<th>ID</th>
<th>Frequency Range</th>
<th>Modulation</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>3.8 meters</td>
<td>Comtech</td>
<td>Comtech 3.8M</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital Modulation for Audio and Video Services</td>
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</tbody>
</table>

**SES–REG–20181010–05180**  
- **Registration:** E191561 Armstrong Utilities, Inc.  
- **Class of Station:** Fixed Earth Stations  
- **Nature of Service:** Fixed Satellite Service

**SITE ID:** Cambridge Springs  
**LOCATION:** 826 Lura Rd, Crawford, Cambridge Springs, PA  
**LAT:** 41° 47' 45.00" N  
**LONG:** 80° 4' 18.00" W
Points of Communication:

Cambridge Springs - PERMITTED LIST - ()

**SES-REG-20181010-05181**  E191562  kentec communications inc

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** KCI Dish Farm

**LOCATION:** 901 State Street, Logan, Sterling, CO

40° 37' 35.14" N LAT.  103° 13' 26.44" W LONG.

**ANTENNA ID:** D1

3.8 meters  Patriot 3.8m Commercial

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video

Points of Communication:

KCI Dish Farm - PERMITTED LIST - ()

**SES-REG-20181010-05184**  E191565  AirWaves, Inc

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Riverdale UT

**LOCATION:** 5540 S 1700 W, Cache, Riverdale, UT

41° 9' 57.91" N LAT.  112° 0' 56.38" W LONG.

**ANTENNA ID:** Riverdale

3.048 meters  Winegard unknown

3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

Riverdale UT - GALAXY 19 (S2647) - (97 W.L.)

**SES-REG-20181010-05185**  E191566  MEDIA PROFESSIONAL, LLC

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** KBTC STUDIO SITE

**LOCATION:** 17647 HIGHWAY B, Texas, Houston, MO

37° 19' 45.00" N LAT.  91° 53' 56.00" W LONG.
<table>
<thead>
<tr>
<th>Class of Station</th>
<th>Registration</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTEenna ID</th>
<th>Frequency</th>
<th>Power</th>
<th>Modulation and Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixed Earth Stations</td>
<td>E191572</td>
<td>Digital Audio Services</td>
<td>1</td>
<td>800' SW of corner of Pleasanton R. and Cowen Rd., Athens, Athens, OH</td>
<td>ANTI1</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
</tr>
<tr>
<td>Fixed Earth Stations</td>
<td>E191579</td>
<td>Fixed Satellite Service</td>
<td>FROST</td>
<td>6861 Mountain View Rd, Hamilton, Ooltewah, TN</td>
<td>ANTI1</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30M0G7W</td>
<td>0.00 dBW</td>
</tr>
<tr>
<td>Fixed Earth Stations</td>
<td>E191582</td>
<td>Fixed Satellite Service</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
SITE ID: 1
LOCATION: 3501 Performance Road, Mecklenburg, Charlotte, NC
35°15’24.50”N LAT. 80°59’43.30”W LONG.

ANTENNA ID: 1 5 meters Patriot 5.0
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 2 3.8 meters Patriot 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 3 4.5 meters ASC 4.5
3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - 

SES-REG-20181010-05202 E 191583 Christian Faith Broadcast, Inc.
Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 7048 East Kilgore Rd., Kalamazoo, Kalamazoo, MI
42°14’40.80”N LAT. 85°29’26.90”W LONG.

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

ANTENNA ID: 2 3.8 meters Paracclipse PA3.8M
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Multiplex Carrier

Points of Communication:

1 - PERMITTED LIST - 

SES-REG-20181010-05209 E Fox Broadcasting Company
Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5208 River Rd, Montgomery, Bethesda, MD
38°57’49.90”N LAT. 77°6’15.90”W LONG.
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size (m)</th>
<th>Manufacturer</th>
<th>Frequency Range</th>
<th>Model</th>
<th>Service Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
<td>Comtech</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>2</td>
<td>6.1</td>
<td>Harris</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital data: various FEC, data rates and modulation</td>
</tr>
<tr>
<td>3</td>
<td>6.1</td>
<td>Vertex</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>4</td>
<td>4.6</td>
<td>AFC</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>Comtech</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>6</td>
<td>1.8</td>
<td>Patriot</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>Parabolic</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181010–05210
E191590
Fox Broadcasting Company

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5151 Wisconsin, District of Columbia, Washington, DC</td>
</tr>
<tr>
<td></td>
<td>38 ° 57 ’ 23.90 ” N LAT. 77 ° 4 ’ 58.20 ” W LONG.</td>
</tr>
</tbody>
</table>

ANTENNA ID: 1
4.6 meters Andrew Corporation: ESA45-46A
Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 2
4.5 meters Patriot: 4.5
Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 3
6.1 meters Vertex: 6.1
Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 4
4.6 meters AFC: 4.6
Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 5
5 meters Comtech: 5
Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 6
1.8 meters Patriot: 1.8
Digital traffic, various FEC, data rates and modulation

ANTENNA ID: 7
1 meters Parabolic: 1
Digital traffic, various FEC, data rates and modulation
<table>
<thead>
<tr>
<th>Site ID</th>
<th>Site Name</th>
<th>Location</th>
<th>Antenna ID</th>
<th>Antenna Size</th>
<th>Manufacturer</th>
<th>Nature of Traffic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Andrew Corporation</td>
<td>1551 Briarcliff RD NE, Fulton, Atlanta, GA</td>
<td>1</td>
<td>5 meters</td>
<td>ESA5B</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>2</td>
<td>Scientific Atlanta</td>
<td>1551 Briarcliff RD NE, Fulton, Atlanta, GA</td>
<td>2</td>
<td>7.5 meters</td>
<td>7.5M</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>3</td>
<td>Scientific Atlanta</td>
<td>1551 Briarcliff RD NE, Fulton, Atlanta, GA</td>
<td>3</td>
<td>4.5 meters</td>
<td>4.5M</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>4</td>
<td>Scientific Atlanta</td>
<td>1551 Briarcliff RD NE, Fulton, Atlanta, GA</td>
<td>4</td>
<td>3 meters</td>
<td>3.0</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>5</td>
<td>Parabolic</td>
<td>1551 Briarcliff RD NE, Fulton, Atlanta, GA</td>
<td>5</td>
<td>2 meters</td>
<td>2.0</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181010-05211**  E191591  Fox Broadcasting Company

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Site Name</th>
<th>Location</th>
<th>Antenna ID</th>
<th>Antenna Size</th>
<th>Manufacturer</th>
<th>Nature of Traffic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GCI Communication Corp.</td>
<td>Cordova, AK</td>
<td>1</td>
<td>3 meters</td>
<td>2.0</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181010-05212**  E191592  GCI Communication Corp.

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Unknown</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6 meters</td>
<td>Unknown</td>
<td>Unknown</td>
</tr>
<tr>
<td>2</td>
<td>5 meters</td>
<td>Anixter</td>
<td>ES40200SD</td>
</tr>
<tr>
<td>3</td>
<td>4.5 meters</td>
<td>Patriot</td>
<td>4.5m</td>
</tr>
<tr>
<td>4</td>
<td>4 meters</td>
<td>Patriot</td>
<td>4m</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Modulation Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Phase modulated voice, video, and data services.</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Phase modulated voice, video, and data services.</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Phase and amplitude modulated voice, video, and data services.</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Phase and amplitude modulated voice, video, and data services.</td>
</tr>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>Phase modulated voice, video, and data services.</td>
</tr>
<tr>
<td>ANTENNA ID</td>
<td>Diameter</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
</tr>
<tr>
<td>5</td>
<td>4.5 meters</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>45K0G7W</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>45K0D7W</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0D7W</td>
</tr>
</tbody>
</table>

**Phase modulated voice, video, and data services.**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>45K0G7W</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0D7W</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>45K0D7W</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - OTHER -

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181010-05213</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: 1
LOCATION: 6221 Holly Drive, Anoka, Lino Lakes, MN
45° 7' 55.60" N LAT.
93° 5' 43.40" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Manufacturer</th>
<th>ID</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5 meters</td>
<td>Comtech</td>
<td>5.0</td>
<td>Digital Video and Data</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Manufacturer</th>
<th>ID</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>3.8 meters</td>
<td>Patriot</td>
<td>PRT3.8</td>
<td>Digital Video and Data</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181010-05214</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: 1
LOCATION: 6221 Holly Drive, Anoka, Lino Lakes, MN
45° 7' 55.10" N LAT.
93° 5' 46.50" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Manufacturer</th>
<th>ID</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>7 meters</td>
<td>Vertex</td>
<td>7M</td>
<td>Digital Video and Data</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181010–05219**  E  E191598  J B Cable TV Company
Registration

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  site1
LOCATION:  19 W Lytle Ln PO Box 268, Schuylkill, Pottsville, PA
40 ° 41 ' 42.00 " N LAT.  76 ° 17 ' 11.00 " W LONG.

ANTENNA ID:  Ant 1  3.7 meters  Viking  3.7

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  video

Points of Communication:

site1 - PERMITTED LIST - ()

**SES–REG–20181010–05220**  E  E191599  Tri-County Broadcasting, Inc.
Registration

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  WHMH Studio
LOCATION:  1010 2nd st n, Benton, Sauk Rapids, MN
45 ° 35 ' 51.43 " N LAT.  94 ° 9 ' 25.04 " W LONG.

ANTENNA ID:  SES11  3.8 meters  DH Satellite  38DH4

3700.0000 - 4200.0000 MHz  36M0G7W  Broadcast Audio / Video

Points of Communication:

WHMH Studio - PERMITTED LIST - ()

**SES–REG–20181010–05287**  E  E191662  Woolstone Corporation
Registration

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  WLHC-FM Studio
LOCATION:  102 S. Steele St., Lee, Sanford, NC
35 ° 28 ' 50.50 " N LAT.  79 ° 10 ' 45.30 " W LONG.

ANTENNA ID:  Dish 1  3 meters  DH Satellite  30DH1

3700.0000 - 4200.0000 MHz  36M0G7W  Digital audio
Points of Communication:

WLHC-FM Studio - PERMITTED LIST - ()

SES–REG–20181011–05223 E191602 KZJL License LLC
Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3000 Bering Dr., Houston, TX
29° 44' 10" N LAT. 95° 28' 50.90" W LONG.

ANTENNA ID: 1 3.8 meters Comtech 829066-G2RC
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 3 meters DH D30PLB-48
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181015–04804 E191175 Ville Platte Broadcasting Co Inc.
Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 809 W Lasalle St, Evangeline, Ville Platte, LA
30° 41' 37.20" N LAT. 92° 16' 54.40" W LONG.

ANTENNA ID: ANT1 3 meters General Dynamics 1304
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services Analog Video with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES–REG–20181015–04806 E191177 Salem Media of Illinois, LLC
Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: OMAHA
LOCATION: 11717 Burt Street, Suite 202, Douglas, OMAHA, NE
41° 15' 53.70" N LAT. 96° 5' 53.60" W LONG.
Points of Communication:

OMAHA - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>POINTS OF COMMUNICATION</th>
</tr>
</thead>
</table>
| SES–REG–20181015–05229 | Fixed Earth Stations | Fixed Satellite Service | 1 | End of Logging Road, Garland, Pearcy, AR | 1304 | 1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>POINTS OF COMMUNICATION</th>
</tr>
</thead>
</table>
| SES–REG–20181017–04420 | Fixed Earth Stations | Fixed Satellite Service | 1 | 6626 Dubuque Trail, Warren, Norwalk, IA | 3 Meter | 1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>POINTS OF COMMUNICATION</th>
</tr>
</thead>
</table>
| SES–REG–20181031–05231 | Fixed Earth Stations | Fixed Satellite Service | 1 | 4421 - 21st Avenue SW, King, Seattle, WA | 3 Meter | 1 - PERMITTED LIST - ()
For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.