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

**SES-MOD-20180628-01726**

Comcast of Colorado/Florida/Michigan/New Mexico/Pennsylvania/Washington, I.

Grant of Authority

08/31/2011 - 08/31/2026

Date Effective: 09/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1710 PATTY CIRCLE NE, BREvard, PALM BAY, FL

28 ° 2' 29.10" N LAT. 80 ° 36' 46.90" W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 615-003

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 4.5 meters SCIENTIFIC-ATLANTA 8345

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3 3.7 meters SATCOM 1374

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

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

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1903 MICHIGAN AVENUE, BAY, PANAMA CITY, FL 30 ° 13' 49.50" N LAT. 85 ° 38' 46.60" W LONG.

ANTENNA ID: 5M. 5 meters SCIENTIFIC ATLANTA, INC. 8008B (5 METER)

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

ANTENNA ID: 3.6M. 3.6 meters SCIENTIFIC ATLANTA, INC. 8006E/8012

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

ANTENNA ID: 4M. 4 meters SCIENTIFIC ATLANTA, INC. 4 METER

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Kind1
LOCATION: 5411 Luce Avenue McClellan, USA, Sacramento, CA 42 ° 22’ 47.28” N LAT. 73 ° 41’ 24.36” W LONG.

ANTENNA ID: Kind1 3.7 meters Prodelin Polar Truss Mount

3700.0000 - 4200.0000 MHz 36M0G7W Analog and digital video

Points of Communication:

Kind1 - PERMITTED LIST - ()

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

**SITE ID:** 1  
**LOCATION:** 9174 South Jamaica Street, Douglas, Englewood, CO  
39° 33' 1.00" N LAT. 104° 51' 53.00" W LONG.

**ANTENNA ID:** #12  
4.5 meters  
Andrew Corp  
4.5

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
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**ANTENNA ID:** #15  
3.7 meters  
Miralite  
3.7M

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<th>Frequency Range</th>
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<th>Application</th>
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</thead>
<tbody>
<tr>
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<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
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**ANTENNA ID:** #13 #14  
3.8 meters  
True Focus  
3.8M

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<tbody>
<tr>
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**ANTENNA ID:** #6  
6.1 meters  
Vertex  
6.1

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<td>Digital traffic, various FEC, data rates and modulation</td>
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**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-REG-20180828-04115**  
Emporia Radio Stations Inc  
E190422  
Grant of Authority  
08/28/2018 - 08/28/2033  
Date Effective: 09/04/2019  

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

**SITE ID:** Site 1  
**LOCATION:** 1420 C of E Drive 2nd Floor, LYON, Emporia, KS  
38° 41' 29.67" N LAT. 96° 20' 0.00" W LONG.

**ANTENNA ID:** ANTI  
3.7 meters  
GENERAL DYNAMICS/PRODELIN  
1374-995

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>FREQUENCY COORDINATION</td>
</tr>
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</table>

**Points of Communication:**

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

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 20021 Santa Rose Mine Road (Steele Valley), Perris, Riverside, CA
  33° 45' 28.70" N LAT. 117° 18' 57.70" W LONG.

ANTENNA ID: COM33COM34 4.5 meters Patriot 4.5M
  3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

ANTENNA ID: COM55 3.5 meters Patriot 3.5
  3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

ANTENNA ID: COM66 4.5 meters Miraite 4.5M
  3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

ANTENNA ID: COM34 4.5 meters Andrew Corp 1
  3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SITE ID: 1
LOCATION: 1802 Briarcliff Road, DeKalb, Atlanta, GA
  33° 48' 26.00" N LAT. 84° 20' 28.00" W LONG.

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

ANTENNA ID: Superior 4.5 meters Superior 4.5
<table>
<thead>
<tr>
<th>Antenna ID</th>
<th>Name</th>
<th>Diameter (m)</th>
<th>Provider</th>
<th>Frequency range</th>
<th>Power Level</th>
<th>Service Details</th>
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<td>Comtech</td>
<td>3.8</td>
<td>3.8M</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
<tr>
<td>4.5M</td>
<td>Patriot</td>
<td>4.5</td>
<td>4.5M</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
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<tr>
<td>3.4M</td>
<td>Prodelin</td>
<td>3.4</td>
<td>3.4M</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
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<tr>
<td>2.8M</td>
<td>Channel Master</td>
<td>2.8</td>
<td>2.8M</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital traffic, various FEC, data rates and modulation</td>
</tr>
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</table>

Points of Communication:

<table>
<thead>
<tr>
<th>Points of Communication:</th>
</tr>
</thead>
</table>

**SES-REG-20180828-04118**  
Spokane Television, Inc.  
Registration  
Grant of Authority  
Date Effective: 09/03/2019  
Class of Station: Fixed Earth Stations  
Nature of Service: Fixed Satellite Service  
SITE ID: 1  
LOCATION: 500 W BOONE AVE (KXLY Studio), Washington, SPOKANE, WA  
47° 40' 6.40" N LAT. 117° 25' 11.30" W LONG.  
ANTENNA ID: ANT 3-7  
3.7 meters  
Comtech  
TVRO 3.7  
0.00 dBW  
Digital Video  
Points of Communication:
<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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</thead>
<tbody>
<tr>
<td>Kentucky Mountain Bible College</td>
<td></td>
<td>09/05/2019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SITE ID:** 1  
**LOCATION:** 1036 Hwy 541, Breathitt, Jackson, KY  
37° 36' 8.00" N LAT.  
83° 26' 31.00" W LONG.  

**ANTENNA ID:** 1  
3.5 meters  
Winegard  
3.5M.  

- 3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Audio  

**Points of Communication:**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
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<tbody>
<tr>
<td>Decorah Broadcasting Inc</td>
<td></td>
<td>09/05/2019</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SITE ID:** 1  
**LOCATION:** 110 HIGHLAND DRIVE, WINNESHIEK, DECORAH, IA  
43° 19' 28.50" N LAT.  
91° 47' 8.10" W LONG.  

**ANTENNA ID:** 1  
3 meters  
DH Satellite  
30DH1  

- 3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Multiplex Carrier  

**Points of Communication:**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
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<tbody>
<tr>
<td>SES–REG–20180828–04121</td>
<td>E190428</td>
<td>08/16/2018 - 08/16/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>FBN Indiana Inc.</td>
<td></td>
<td>09/05/2019</td>
<td></td>
<td></td>
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</table>
SITE ID: 1
LOCATION: 1035 South College Ave (Rensselaer Site), Jasper, Rensselaer, IN

40° 55' 14.34" N LAT.
87° 8' 50.39" W LONG.

ANTENNA ID: Ren1 5 meters Scientific-Alanta 5 M.

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

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20180829-04123**

Registration E190430 Terry Barber

Grant of Authority Date Effective: 09/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2305 Upper Wetumpka Road, Montgomery, Montgomery, AL

32° 23' 33.60" N LAT.
86° 16' 33.90" W LONG.

ANTENNA ID: 3.7M. 3.7 meters Prodelin Corporation 136-750

3700.0000 - 4200.0000 MHz 36M0G7W Digital audio signals

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20180829-04124**

Registration E190431 KYOU License Subsidiary

Grant of Authority Date Effective: 09/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 820 West Second Street (KYOU Studio), Wapello, Ottumwa, IA

41° 1' 31.15" N LAT.
92° 25' 20.17" W LONG.

ANTENNA ID: KYOU1 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W Digital Carrier

ANTENNA ID: KYOU2 3.1 meters Patriot PRT-310

3700.0000 - 4200.0000 MHz 36M0G7W Digital Carrier

ANTENNA ID: KYOU3 4.87 meters ADM ADM-16
3700.0000 - 4200.0000 MHz 36M0G7W Digital Carrier

ANTENNA ID: KYOU4  3.7 meters  DH  37DH1

3700.0000 - 4200.0000 MHz 36M0G7W Digital Carrier

ANTENNA ID: KYOU5  3.7 meters  AFC  3.7 Az/El

3700.0000 - 4200.0000 MHz 36M0G7W Digital Carrier

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20180829-04125**  E  E190432  Thunderbolt Broadcasting Company
Registration Grant of Authority 08/29/2018 - 08/29/2033 Date Effective: 09/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 223 West Gate Drive (Union City Office), Obion, Union City, TN
 36° 25' 27.78" N LAT. 89° 4' 1.21" W LONG.

ANTENNA ID: ANT1  4.5 meters  AMERICAN ANTENNAS, INC  TVRO-4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW DIGITAL AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20180829-04126**  E  E190433  Bristol County Broadcasting, Inc.
Registration Grant of Authority 08/29/2018 - 08/29/2033 Date Effective: 09/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1 Home Street, Bristol, Somerset, MA
 41° 43' 29.00" N LAT. 71° 11' 20.00" W LONG.

ANTENNA ID: 1  3.8 meters  Comtech Antenna Systems  3.8 METER PF

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()
<table>
<thead>
<tr>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>08/29/2018 - 08/29/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>08/31/2018 - 08/31/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>09/04/2018 - 09/04/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

**WFXX FOX BROADCASTING CORPORATION LLC**

- **SITE ID:** 1  
- **LOCATION:** 1406 River Falls St (WFXX Studio), Covington, Andalusia, AL  
  - **LAT:** 31° 19’ 18.63” N  
  - **LONG:** 86° 30’ 13.00” W  

- **ANTENNA ID:** WFXXStudio  
  - **Size:** 3.7 meters  
  - **Model:** Prodelin  
  - **Frequency:** 3700.0000 - 4200.0000 MHz  
  - **Modulation:** QPSK Broadcasting

**RCN Telecom Services of Massachusetts, LLC**

- **SITE ID:** 1  
- **LOCATION:** 430 Main Street (STH.MA), Middlesex, Stoneham, MA  
  - **LAT:** 42° 28’ 41.80” N  
  - **LONG:** 71° 5’ 58.90” W  

- **ANTENNA ID:** DH5M  
  - **Size:** 5 meters  
  - **Model:** DH  
  - **Frequency:** 3700.0000 - 4200.0000 MHz  
  - **Modulation:** NULL

- **ANTENNA ID:** SA45M  
  - **Size:** 4.5 meters  
  - **Model:** SA  
  - **Frequency:** 3700.0000 - 4200.0000 MHz  
  - **Modulation:** Series 8345

**Apple Valley Broadcasting, Inc.**

- **SITE ID:** 1  
- **LOCATION:** 430 Main Street (STH.MA), Middlesex, Stoneham, MA  
  - **LAT:** 42° 28’ 41.80” N  
  - **LONG:** 71° 5’ 58.90” W  

- **ANTENNA ID:** DH5M  
  - **Size:** 5 meters  
  - **Model:** DH  
  - **Frequency:** 3700.0000 - 4200.0000 MHz  
  - **Modulation:** NULL

- **ANTENNA ID:** SA45M  
  - **Size:** 4.5 meters  
  - **Model:** SA  
  - **Frequency:** 3700.0000 - 4200.0000 MHz  
  - **Modulation:** Series 8345
SITE ID: 1  
LOCATION: 601 No. Edison St. (KVEW-TV Studio), Benton, Kennewick, WA  
46 ° 13 ’ 0.50 " N LAT.  
119 ° 11 ’ 33.10 " W LONG.  

ANTENNA ID:  ANT 1  7.3 meters  Andrew  7.3  
3700.0000 - 4200.0000 MHz  30M0G7W  Digital Video  

ANTENNA ID:  ANT 2  4.6 meters  Andrew  4.6  
3700.0000 - 4200.0000 MHz  30M0G7W  Digital Video  

ANTENNA ID:  ANT 3  5 meters  Prodlind  5.0  
3700.0000 - 4200.0000 MHz  30M0G7W  Digital Video  

Points of Communication:  
1 - PERMITTED LIST - ()  

SES–REG–20180904–04175  E190487  KAUZ License Subsidiary, LLC  
Registration 09/04/2018 - 09/04/2033  
Grant of Authority Date Effective: 09/05/2019  

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

SITE ID: 1  
LOCATION: 3601 Seymour Highway (KAUZ TV Studio), Wichita, Wichita Falls, TX  
33 ° 54 ’ 1.30 ” N LAT.  
98 ° 32 ’ 21.20 ” W LONG.  

ANTENNA ID:  3.8M.  3.8 meters  Challenger Communications  3.8m  
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video Carrier  

ANTENNA ID:  CBS main  7 meters  Scientific Atlanta  8010C  
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video Carrier  

ANTENNA ID:  CBS backup  4.6 meters  Scientific Atlanta  8346  
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video Carrier  

Points of Communication:  
1 - PERMITTED LIST - ()  

SES–REG–20180905–04201  E190519  Gray Television Licensee, LLC  
Registration 09/05/2018 - 09/05/2033  
Grant of Authority Date Effective: 09/05/2019  

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

### SITE ID:
1

### LOCATION:
2923 E. Lincolnway (KGWN), Cheyenne, WY

<table>
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<tr>
<th>SITE ID</th>
<th>LOCATION</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>2923 E. Lincolnway (KGWN), Cheyenne, WY</td>
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### Site Details:

<table>
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<tr>
<th>SITE ID</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>1</td>
<td>2923 E. Lincolnway (KGWN), Cheyenne, WY</td>
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### Points of Communication:

#### KGWN - 1

<table>
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<th>TYPE</th>
<th>LOCATION</th>
<th>FREQUENCY</th>
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<tr>
<td>KGWN - 1</td>
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<td>Scientific Atlanta</td>
<td>3700.0000 - 4200.0000 MHz</td>
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#### KGWN - 2

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<th>FREQUENCY</th>
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<td>KGWN - 2</td>
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<td>Scientific Atlanta</td>
<td>3700.0000 - 4200.0000 MHz</td>
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</tbody>
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#### KGWN - 3

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<tbody>
<tr>
<td>KGWN - 3</td>
<td>5</td>
<td>Comtech</td>
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#### KGWN - 4

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<td>KGWN - 4</td>
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<td>DH Satellite</td>
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#### KGWN - 5

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<tr>
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<td>Antennas for Communications</td>
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#### KGWN - 6

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<td>3</td>
<td>Prodelin Antennas</td>
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#### KGWN - 7

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<th>TYPE</th>
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<th>FREQUENCY</th>
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<tr>
<td>KGWN - 7</td>
<td>3</td>
<td>DH Satellite</td>
<td>3700.0000 - 4200.0000 MHz</td>
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</tbody>
</table>

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### Points of Communication:

#### KGWN - 1

1 - PERMITTED LIST - ()

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### SES-REG-20180905-04202

E190520 Gray Television Licensee, LLC

Registration: 09/05/2018 - 09/05/2033

Grant of Authority: 09/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
3700.0000 - 4200.0000 MHz     36M0G7W     NULL

ANTENNA ID:     KKCO - 2     4.5 meters     Patriot     4.5m Prime Focus

3700.0000 - 4200.0000 MHz     36M0G7W     NULL

ANTENNA ID:     KJCT 1     4.5 meters     ViaSat     8345-310

3700.0000 - 4200.0000 MHz     36M0G7W     NULL

ANTENNA ID:     KJCT 2, 3     3.1 meters     Patriot     PRT-310

3700.0000 - 4200.0000 MHz     36M0G7W     NULL

ANTENNA ID:     KKCO-KJCT1     3.1 meters     Patriot     PRT 310

3700.0000 - 4200.0000 MHz     36M0G7W     NULL

ANTENNA ID:     KKCO-KJCT2     4.5 meters     Andrew     ES45

3700.0000 - 4200.0000 MHz     36M0G7W     NULL

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180905–04203     E190521     Gray Television Licensee, LLC
Registration     09/05/2018 - 09/05/2033     Date Effective:     09/05/2019
Grant of Authority

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

SITE ID:     1
LOCATION:     120 W Del Mar Blvd (KGNS), Laredo, TX
              27 ° 34 ' 3.11 " N LAT.              99 ° 29 ' 53.20 " W LONG.

ANTENNA ID:     KGNS 1, 2     3.8 meters     Comtech     3.8

3700.0000 - 4200.0000 MHz     36M0G7W     NULL

ANTENNA ID:     KGNS 3     3 meters     Patriot     3

3700.0000 - 4200.0000 MHz     36M0G7W     NULL

ANTENNA ID:     KGNS 4     3 meters     Comtech     3

3700.0000 - 4200.0000 MHz     36M0G7W     NULL

ANTENNA ID:     KGNS 5     5 meters     Comtech     5
### Points of Communication:

<table>
<thead>
<tr>
<th>1 - PERMITTED LIST - ()</th>
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</thead>
<tbody>
<tr>
<td><strong>SES-REG-20180905-04204</strong></td>
</tr>
<tr>
<td>Registration</td>
</tr>
<tr>
<td>Class of Station:</td>
</tr>
<tr>
<td>Nature of Service:</td>
</tr>
<tr>
<td>SITE ID:</td>
</tr>
<tr>
<td>LOCATION:</td>
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<td></td>
</tr>
<tr>
<td>ANTENNA ID:</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>3700.0000 - 4200.0000 MHz</td>
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### Points of Communication:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>SES-REG-20180906-04206</strong></td>
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<tr>
<td>Registration</td>
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<td>Class of Station:</td>
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<tr>
<td>Nature of Service:</td>
</tr>
<tr>
<td>SITE ID:</td>
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<tr>
<td>LOCATION:</td>
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<td></td>
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<tr>
<td>ANTENNA ID:</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
</tr>
</tbody>
</table>
### Fixed Earth Stations

**Grant of Authority** 09/06/2018 - 09/06/2033  
**Registration** E190528  

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

**SITE ID:** 1  
**LOCATION:** 20777 West Ten Mile Road, Oakland, Southfield, MI  
**LAT.:** 42 ° 28' 11.50" N  
**LONG.:** 83 ° 14' 48.50" W  

**ANTENNA ID:** 1  
**Type:** Andrew Corp  
**Height:** 6.5 meters  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** 0.00 dB  
**Carrier:** Digital Multiplex  

**ANTENNA ID:** 2  
**Type:** Andrew Corporation  
**Height:** 4.6 meters  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** 0.00 dB  
**Carrier:** Digital Multiplex  

**Points of Communication:**

---

### Fixed Earth Stations

**Grant of Authority** 09/06/2018 - 09/06/2033  
**Registration** E190523  

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

**SITE ID:** 1  
**LOCATION:** 1499 R.W. Moore Memorial Hwy. (Turney Center), Hickman, Only, TN  
**LAT.:** 35 ° 49' 44.82" N  
**LONG.:** 87 ° 41' 13.18" W  

**ANTENNA ID:** Turney 4  
**Type:** Prodelin  
**Height:** 3.7 meters  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** NULL  

**ANTENNA ID:** Turney 3  
**Type:** Prodelin  
**Height:** 3.7 meters  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** NULL  

**ANTENNA ID:** Turney 2  
**Type:** Prodelin  
**Height:** 3.7 meters  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** NULL  

**ANTENNA ID:** Turney 1  
**Type:** Prodelin  
**Height:** 3.7 meters  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** NULL
Points of Communication:

<table>
<thead>
<tr>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>SITE ID</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>09/05/2019</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>2727 Shipley Road (Wilmington 2), New Castle, Wilmington, MD</td>
<td>39°48'48.68&quot;N</td>
<td>75°31'49.02&quot;W</td>
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</tr>
<tr>
<td>09/05/2019</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>710 S 9 th (GCMRD), Gunnison, Gunnison, CO</td>
<td>38°32'14.00&quot;N</td>
<td>106°56'17.00&quot;W</td>
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<td>1</td>
<td></td>
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</tr>
</tbody>
</table>

Notes:
- **E190246**
- **E190243**
- **E190475**
SITE ID: Conway Corp DishFarm
LOCATION: 800 S. Harkrider, Faulkner, Conway, AL
35 ° 4 ' 12.03 " N LAT. 92 ° 25 ' 43.54 " W LONG.

ANTENNA ID: 1
3700.0000 - 4200.0000 MHz 36M0G7W NULL

SITE ID: Head End
LOCATION: 1313 Prairie St., Faulkner, Conway, AR
35 ° 5 ' 13.36 " N LAT. 92 ° 26 ' 25.76 " W LONG.

ANTENNA ID: 2
3700.0000 - 4200.0000 MHz 36M0G7W NULL

Points of Communication:

Conway Corp DishFarm - AMC 10 (S2432) - (135 W.L.)
Conway Corp DishFarm - AMC-11(S2433) - (131 W.L.)
Conway Corp DishFarm - GALAXY 13 (S2386) - (127 W.L.)
Conway Corp DishFarm - GALAXY 14 (S2385) - (125 W.L.)
Conway Corp DishFarm - GALAXY 15 (S2387) - (133.1)
Conway Corp DishFarm - GALAXY 18 (S2733) - (123 W.L.)
Conway Corp DishFarm - GALAXY 18 (S2733) - (123 W.L.)
Conway Corp DishFarm - GALAXY 23 (S2592) - (121 W.L.)
Conway Corp DishFarm - SES-1 (S2807) - (101.0 W.L.)
Conway Corp DishFarm - SES-3 (S2892) - (103 W.L.)
Head End - GALAXY 16 (S2687) - (99 W.L.)
Head End - GALAXY 17 (S2715) - (91 W.L.)

SES-REG-20181015-04169  E  E190476  Delmarva Broadcasting Company
Registration 10/15/2018 - 10/15/2033
Grant of Authority Date Effective: 09/05/2019

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

SITE ID: 1
LOCATION: 1666 Blairs Pond Rd. (Milford 1 (Main)), Kent, Milford, DE
38 ° 55 ' 41.00 " N LAT. 75 ° 29 ' 20.00 " W LONG.

ANTENNA ID: Milford 1 4.2 meters DH GIBRALTER
Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181015–04170**

Registration E190477 Delmarva Broadcasting Company

Grant of Authority Date Effective: 10/15/2018 - 10/15/2033 09/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1666 Blairs Pond Rd. (Milford2 Aux), Kent, Milford, DE

38 ° 55 ' 41.00 " N LAT. 75 ° 29 ' 20.00 " W LONG.

ANTENNA ID: MifordAux 3 meters UNIMESH 12-M

3700.0000 - 4200.0000 MHz 30M0G7W Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181031–04176**

Registration E190493 INDEPENDENT CABLE SYSTEMS OF IDAHO

Grant of Authority Date Effective: 10/31/2018 - 10/31/2033 09/05/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Soda

LOCATION: 550 East 2nd South, Caribou, Soda Springs, IA

42 ° 39 ' 15.50 " N LAT. 111 ° 35 ' 14.70 " W LONG.

ANTENNA ID: 1 3.8 meters Patriot Patriot

3700.0000 - 4200.0000 MHz 6M00C7W 0.00 dBW digital video with associated subcarriers

SITE ID: Salmon

LOCATION: 330 Kelly, Lemhi, Salmon, ID

45 ° 10 ' 54.10 " N LAT. 113 ° 35 ' 32.30 " W LONG.

ANTENNA ID: 2 3.8 meters patriot patriot

3700.0000 - 4200.0000 MHz 6M00C7W 0.00 dBW digital video with associated subcarriers

Points of Communication:

Salmon - PERMITTED LIST - ()
On September 4, 2019, SES Americom, Inc. was granted special temporary authority for 180 days, beginning September 4, 2019, to operate its fixed earth station in Mt. Airy, MD to communicate with the SES-14 (S2974) satellite at the 47.5° W.L. orbital location in the 13.75-14.0 GHz (Earth-to-space) frequency band.

Points of Communication:

On September 4, 2019, SES Americom, Inc. was granted special temporary authority for 180 days, beginning September 4, 2019, to operate its fixed earth station in Port St. Lucie, FL with the SES-14 satellite (S2974) at the 47.5° W.L. orbital location in the 13.75-14.0 GHz (Earth-to-space) frequency band.

Points of Communication:

On September 3, 2019, SES Americom, Inc. was granted special temporary authority for 180 days, beginning September 3, 2019, to operate its fixed earth station in Portland, OR with the SES-14 satellite (S2974) at the 47.5° W.L. orbital location in the 13.75-14.0 GHz (Earth-to-space) frequency band.

Points of Communication:
On September 3, 2019, DIRECTV Enterprises, LLC was granted special temporary authority for 60 days, beginning September 4, 2019, to operate its fixed earth station in Los Angeles, CA to communicate with the DIRECTV T16 (S3039) and the T8 (S2632) satellites at the 101° W.L. orbital location in the 17.3-17.8 GHz (Earth-to-space) and 12.2-12.7 GHz (space-to-Earth) frequency bands.

Points of Communication:

| SES–STA–20190812–01077 | E050306 | GCI Communication Corp. | Date Effective: 09/04/2019 |

Class of Station:

On September 4, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning September 4, 2019, to operate its fixed earth station in Hooper Bay, AK to communicate with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location and the ANIK F3 (S2703) satellite at the 118.8° W.L. orbital location in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands.

Points of Communication:

| SES–STA–20190812–01079 | E960349 | GCI Communication Corp. | Date Effective: 09/03/2019 |

Class of Station:

On September 3, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning September 3, 2019, to operate its fixed earth station in Bethel, AK to communicate with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location, and the ANIK F3 (S2703) satellite at the 118.8° W.L. orbital location in the 3700-4200 MHz (space-to-Earth), and 5925-6425 MHz (Earth-to-space) frequency bands.

Points of Communication:

| SES–STA–20190812–01088 | E930304 | DIRECTV Enterprises, LLC | Date Effective: 09/03/2019 |

Class of Station:

On September 3, 2019, DIRECTV Enterprises, LLC was granted special temporary authority for 30 days, beginning September 10, 2019, to operate its fixed earth station in Castle Rock, CO to support in-orbit testing (IOT) for the T16 (S3039) satellite at the 134.75° W.L. orbital location during its drift to the 100.85° W.L. orbital location in the 17.3-17.8 GHz (Earth-to-space) and 12.2-12.7 GHz (space-to-Earth) frequency bands. Telemetry, Tracking and Command (TT&C) services will be performed in the 17.789 GHz and 17.791 GHz (space-to-Earth), 12.697 GHz and 12.698 GHz (space-to-Earth) frequency bands.

Points of Communication:

| SES–STA–20190815–01100 | E910609 | SpeedCast Communications Inc | Date Effective: 09/05/2019 |

Class of Station:

On September 5, 2019, Speedcast Communications Inc. was granted special temporary authority for 60 days, beginning September 5, 2019, to operate its very small aperture terminal (VSAT) remotes to communicate with the Intelsat IS-19 satellite (S2850) in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.
On September 9, 2019, Intelsat License LLC was granted special temporary authority for 30 days beginning September 10, 2019, to test a new Ku-band VSAT network in Hagerstown, MD to communicate with the Galaxy 18 satellite (S2733) satellite at the 123º W.L. orbital location in the 14240.6-14260.5 MHz (Earth-to-space) and 11940.6-11960.5 MHz (space-to-Earth) frequency bands.

On September 3, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning September 3, 2019, to operate its 9.1-meter fixed earth station antenna in Barrow, AK with the Horizons-3e (S2947) satellite at the 169° E.L. orbital location in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands.

On September 3, 2019, GCI Communication Corp. was granted special temporary authority for 60 days, beginning September 3, 2019, to operate its fixed earth station in Kodiak, AK to communicate with the Horizons-3e (S2947) satellite at the 169° E.L. orbital location in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands.

On September 4, 2019, GCI Communication Corp was granted special temporary authority for 60 days, beginning September 4, 2019, to operate a 9.1-meter fixed earth station in Kodiak, AK with the Horizons-3e (S2947) satellite at the 169.0° E.L. orbital location in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to-space) frequency bands.
Grant of Authority

Current Licensee: Viacom International Inc.
FROM: NATIONAL AMUSEMENTS, INC.
TO: CBS Corporation

Date Effective: 09/10/2019
No. of Station(s) listed: 7

SURRENDER

SES-MOD-20180221-00149 E050272 Leidos, Inc.
License surrendered by letter filed on September 5, 2019.

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