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

### Satellite Communications Services Information

**re: Actions Taken**

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>SES-ASG-20191206-01651</th>
<th>E180194 WDCW, LLC</th>
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<tbody>
<tr>
<td>Application for Consent to Assignment Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
</tr>
<tr>
<td><strong>Current Licensee:</strong></td>
<td>WDCW, LLC</td>
</tr>
<tr>
<td><strong>FROM:</strong></td>
<td>WDCW, LLC</td>
</tr>
<tr>
<td><strong>TO:</strong></td>
<td>Tribune Media Company</td>
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<tr>
<td><strong>No. of Station(s) listed:</strong></td>
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<thead>
<tr>
<th>SES-ASG-20191206-01652</th>
<th>E080179 KSWB, LLC</th>
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<tr>
<td>Application for Consent to Assignment Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
</tr>
<tr>
<td><strong>Current Licensee:</strong></td>
<td>KSWB, LLC</td>
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<tr>
<td><strong>FROM:</strong></td>
<td>KSWB, LLC</td>
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<tr>
<td><strong>TO:</strong></td>
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<th>SES-ASG-20191206-01653</th>
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<tr>
<td>Application for Consent to Assignment Grant of Authority</td>
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<tr>
<td><strong>Current Licensee:</strong></td>
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<td>SES--ASG--20191206--01660</td>
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Application for Consent to Assignment
Grant of Authority

Current Licensee: WGN Continental Broadcasting Company, LLC
FROM: WGN Continental Broadcasting Company, LLC
TO: Tribune Media Company

No. of Station(s) listed: 1

Date Effective: 12/30/2019

Application for Consent to Assignment
Grant of Authority

Current Licensee: WGN Continental Broadcasting Company, LLC
FROM: WGN Continental Broadcasting Company, LLC
TO: Tribune Media Company

No. of Station(s) listed: 5

Date Effective: 12/30/2019

Application for Consent to Assignment
Grant of Authority

Current Licensee: KRCW, LLC
FROM: KRCW, LLC
TO: Tribune Media Company

No. of Station(s) listed: 1

Date Effective: 12/30/2019

Application for Consent to Assignment
Grant of Authority

Current Licensee: KTVI License, LLC
FROM: KTVI License, LLC
TO: Tribune Broadcasting Company II, LLC

No. of Station(s) listed: 2

Date Effective: 12/30/2019

Application for Consent to Assignment
Grant of Authority

Current Licensee: Tribune Broadcasting Denver License, LLC
FROM: Tribune Broadcasting Denver License, LLC
TO: Tribune Broadcasting Company II, LLC

No. of Station(s) listed: 1

Date Effective: 12/30/2019

Application for Consent to Assignment
Grant of Authority

Current Licensee: WHO License, LLC
FROM: WHO License, LLC
TO: Tribune Broadcasting Company II, LLC

No. of Station(s) listed: 2

Date Effective: 12/30/2019
Application for Consent to Assignment
Grant of Authority
Date Effective: 12/30/2019

Current Licensee: Tribune Broadcasting Fort Smith License, LLC
FROM: Tribune Broadcasting Fort Smith License, LLC
TO: Tribune Broadcasting Company II, LLC
No. of Station(s) listed: 3

Application for Consent to Assignment
Grant of Authority
Date Effective: 12/30/2019

Current Licensee: KTVI License, LLC
FROM: KTVI License, LLC
TO: Tribune Broadcasting Company II, LLC
No. of Station(s) listed: 2

Application for Consent to Assignment
Grant of Authority
Date Effective: 12/30/2019

Current Licensee: Tribune Broadcasting Denver License, LLC
FROM: Tribune Broadcasting Denver License, LLC
TO: Tribune Broadcasting Company II, LLC
No. of Station(s) listed: 2

Application for Consent to Assignment Consummated
Date Effective: 01/03/2020

Current Licensee: IMS Productions, Inc.
FROM: IMS PRODUCTIONS, INC.
TO: Terre Haute Realty, LLC
No. of Station(s) listed: 11

Application for Authority
Grant of Authority
Date Effective: 01/06/2020

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

SITE ID: 1
LOCATION: 10324 Main Road, Aleutians west borough, Adak, AK
51 ° 52 ’ 9.50 ” N LAT. 176 ° 38 ’ 24.70 ” W LONG.

ANTENNA ID: 1 3.8 meters General Dynamics Prodelin 1385
5925.0000 - 6425.0000 MHz 3M00G7W 60.47 dBW Digital Data Carrier

Points of Communication:
1 - EUTELSAT115WB(S2938) - (114.9 W.L.)
1 - PERMITTED LIST - ()
Application for Modification
Grant of Authority

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

SITE ID: 1
LOCATION: 900 SYLVAN AVENUE, BERGEN, ENGLEWOOD CLIFFS, NJ
40 ° 53 ' 43.50 " N LAT. 73 ° 56 ' 35.50 " W LONG.

ANTENNA ID: 1 9 meters VERTEX/RSI 9 KPC

5925.0000 - 6425.0000 MHz 36M0G7W 80.23 dBW PHASE MODULATED CARRIER WITH DIGITAL AUDIO, VIDEO AND DATA

3700.0000 - 4200.0000 MHz 36M0G7W PHASE MODULATED CARRIER WITH DIGITAL AUDIO, VIDEO AND DATA

Points of Communication:

1 - PERMITTED LIST - ()

Registration
Grant of Authority

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

SITE ID: KCIR Std C-Band Rec
LOCATION: 1446 Filer Ave. E., Twin Falls, Twin Falls, ID
42 ° 34 ' 12.10 " N LAT. 114 ° 27 ' 20.40 " W LONG.

ANTENNA ID: Mira3.7M 3.7 meters MiraLTe 3.7

3700.0000 - 4200.0000 MHz 300KG7W Digital Audio and Data

Points of Communication:

KCIR Std C-Band Rec - PERMITTED LIST - ()

Registration
Grant of Authority

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

Page 5 of 85
### Points of Communication:

1 - PERMITTED LIST - ()

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<tr>
<th>Registration</th>
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<th>WGEM License, LLC</th>
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<td>Class of Station</td>
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<tr>
<td>Nature of Service</td>
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<th>09/20/2018 - 09/20/2033</th>
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### Points of Communication:

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<td>Class of Station</td>
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<td>Nature of Service</td>
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### Points of Communication:

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<td>Nature of Service</td>
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### Points of Communication:

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<td>Class of Station</td>
<td>Fixed Earth Stations</td>
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<tr>
<td>Nature of Service</td>
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### Points of Communication:

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<tr>
<td>Nature of Service</td>
<td>Fixed Satellite Service</td>
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Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20180920-04476**  E  E190818  Virginia Broadcasting, LLC
Registration  09/20/2018 - 09/20/2033  Date Effective:  01/02/2020
Grant of Authority

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  503 E. Market Street, Albemarle, Charlottesville, VA
          38° 1' 50.00" N LAT.  78° 28' 39.00" W LONG.

ANTENNA ID:  3.7M.  3.7 meters  DH  3.7M
3700.0000 - 4200.0000 MHz  36M0G7W  Digital traffic, various FEC, data rates and modulations

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20180924-04536**  E  E190903  Eagle Broadband Investments, LLC
Registration  09/24/2018 - 09/24/2033  Date Effective:  01/02/2020
Grant of Authority

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  981 Road East T North (EC - Paxton, NE), Keith, Paxton, NE
          41° 7' 47.55" N LAT.  101° 21' 23.43" W LONG.

ANTENNA ID:  EPAXT-SA  3.2 meters  Scientific Atlanta  9000
3700.0000 - 4200.0000 MHz  36M0G7D  Video
<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location Description</th>
<th>Lat/Long</th>
<th>Antenna ID</th>
<th>Type/ID</th>
<th>Frequency Range</th>
<th>ID</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 4</td>
<td>77271 US Hwy 71, Jackson, Jackson, MN</td>
<td>43° 36' 18.30&quot; N</td>
<td>EPAXT-PAT</td>
<td>3.8 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>PRT-380</td>
<td>Video</td>
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<td>94° 59' 43.10&quot; W</td>
<td>EPAXT-SA2</td>
<td>4.4 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>N/A</td>
<td>Video</td>
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<td>3.2 meters</td>
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<td>EBIRD-NAM</td>
<td>3.8 meters</td>
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<td>N/A</td>
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**Points of Communication:**

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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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<th>Lat/Long</th>
<th>Antenna ID</th>
<th>Type/ID</th>
<th>Frequency Range</th>
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<th>Service Type</th>
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<tbody>
<tr>
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<td>EPAXT-PAT</td>
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<td>EPAXT-SA</td>
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<td>EBIRD-SA</td>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>9000</td>
<td>Video</td>
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<td>EBIRD-NAM</td>
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<td>3700.0000 - 4200.0000 MHz</td>
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**Points of Communication:**

4 - PERMITTED LIST - ()

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<th>E190908</th>
<th>Eagle Broadband Investments, LLC</th>
<th>09/24/2018 - 09/24/2033</th>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

<table>
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<tr>
<th>Site ID</th>
<th>Location Description</th>
<th>Lat/Long</th>
<th>Antenna ID</th>
<th>Type/ID</th>
<th>Frequency Range</th>
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<th>Service Type</th>
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<tr>
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<td>EPAXT-PAT</td>
<td>3.8 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>Video</td>
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<td>EPAXT-SA</td>
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<td>Video</td>
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<td>EBIRD-SA</td>
<td>3.2 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>9000</td>
<td>Video</td>
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<td>EBIRD-NAM</td>
<td>3.8 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>N/A</td>
<td>Video</td>
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<td>N/A Metal</td>
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<td>N/A</td>
<td>Video</td>
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</table>
Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180924–04542 E  E190909 Blue Ridge Cable Technologies, Inc.
Registration  09/24/2018 - 09/24/2033
Grant of Authority  Date Effective:  12/30/2019
Class of Station:  Fixed Earth Stations
Nature of Service:  Fixed Satellite Service

SITE ID:  Lehighton
LOCATION:  936 Elm Street, USA, Lehighton, PA
40 ° 49 ’ 40.63 ” N LAT.  75 ° 39 ’ 4.96 ” W LONG.

ANTENNA ID:  Ant 1  5.5 meters  ComTech  Comtech 5.5
3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  Ant 2  4.5 meters  SSE  SSE8345
3700.0000 - 4200.0000 MHz  36M0G7W

ANTENNA ID:  Ant 3  3.8 meters  DH  D37F48-4PC-5.5
3700.0000 - 4200.0000 MHz  36M0G7W

Points of Communication:

Lehighton - PERMITTED LIST - ()

SES–REG–20180924–04545 E  E190912 MRR LICENSE LLC
Registration  09/20/2018 - 09/20/2033
Grant of Authority  Date Effective:  01/06/2020
Class of Station:  Fixed Earth Stations
Nature of Service:  Fixed Satellite Service

SITE ID:  Carterville Studio
LOCATION:  1431 Country AireDrive, Williamson, Carterville, IL
37 ° 44 ’ 47.00 ” N LAT.  89 ° 3 ’ 17.00 ” W LONG.
<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
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<tbody>
<tr>
<td>Site 1</td>
<td>910 Flindt Drive, Buena Vista, Storm Lake, IA</td>
<td>42° 38' 49.50&quot; N</td>
<td>95° 11' 35.90&quot; W</td>
</tr>
<tr>
<td>Ulysses801</td>
<td>801 South Main Street, Grant, Ulysses, KS</td>
<td>37° 34' 16.58&quot; N</td>
<td>101° 21' 31.62&quot; W</td>
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### Points of Communication:

**Carterville Studio - PERMITTED LIST - ()**

<table>
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<th>Registration</th>
<th>SES–REG–20180924–04549</th>
<th>Community First Broadcasting, LLC</th>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

** SITE ID:** Site 1  
**LOCATION:** 910 Flindt Drive, Buena Vista, Storm Lake, IA  
**LATITUDE:** 42° 38' 49.50" N  
**LONGITUDE:** 95° 11' 35.90" W  

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
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<th>ANTEENA TYPE</th>
<th>FREQUENCY RANGE</th>
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<td>3.7 meters</td>
<td>D H Satellite</td>
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**Points of Communication:**

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

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<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

** SITE ID:** Site 1  
**LOCATION:** 910 Flindt Drive, Buena Vista, Storm Lake, IA  
**LATITUDE:** 42° 38' 49.50" N  
**LONGITUDE:** 95° 11' 35.90" W  

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>ANTENNA SIZE</th>
<th>ANTEENA TYPE</th>
<th>FREQUENCY RANGE</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dish 1</td>
<td>3 meters</td>
<td>DH Satellite</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
</tbody>
</table>

**Points of Communication:**

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

<table>
<thead>
<tr>
<th>Registration</th>
<th>SES–REG–20180925–04551</th>
<th>PIONEER TELEPHONE ASSOCIATION INC</th>
<th>Date Effective:</th>
<th>12/30/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td>09/25/2018 - 09/25/2033</td>
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</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

** SITE ID:** Site 1  
**LOCATION:** 910 Flindt Drive, Buena Vista, Storm Lake, IA  
**LATITUDE:** 42° 38' 49.50" N  
**LONGITUDE:** 95° 11' 35.90" W  

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>ANTENNA SIZE</th>
<th>ANTEENA TYPE</th>
<th>FREQUENCY RANGE</th>
<th>ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>ULY1</td>
<td>3 meters</td>
<td>Channel Master</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>3.0meter</td>
</tr>
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Page 10 of 85
<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Gain</th>
<th>Antenna ID</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Video</td>
<td></td>
</tr>
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</table>

**Points of Communication:**

- **Ulysses801 - 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>
</tr>
</thead>
</table>

**SITE ID:** KVRR Studio  
**LOCATION:** 4015 9th Avenue S, Cass, Fargo, ND  
46° 52' 3.00" N LAT.  
96° 56' 7.00" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Gain</th>
<th>Antenna Type</th>
<th>Frequency Range</th>
<th>Gain</th>
<th>Gain Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3 meters</td>
<td>3.00 dBW</td>
<td>Unknown</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4.5 meters</td>
<td>PR 4.5</td>
<td>Patriot</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>7.3 meters</td>
<td>7.3 dBW</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>4.5 meters</td>
<td>4.5 10296</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>7.3 meters</td>
<td>S/A</td>
<td>8010D Viasat 7.3</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>6</td>
<td>3.8 meters</td>
<td>D38F60</td>
<td>Dawn Co.</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>3.1 meters</td>
<td>2M31091</td>
<td>Patriot</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Video, data</td>
<td></td>
</tr>
</tbody>
</table>
ANTENNA ID: 8  4.5 meters  Andrew  ES45P C/KU
3700.0000 - 4200.0000 MHz  36M0G7D  0.00 dBW  Video

Points of Communication:

KVRR Studio - PERMITTED LIST - ()

**SES-REG-20180925-04559**  E190926  Ventana Television, Inc.
Registration Grant of Authority
Date Effective: 12/30/2019

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

SITE ID: Birmingham
LOCATION: 1621 Spaulding Ishkooda Road, Jefferson, Birmingham, AL
            33° 27' 37.05" N LAT. 86° 51' 5.51" W LONG.
ANTENNA ID: ANTI  3.8 meters  Patriot  PRT-380AZ
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Modulation and Services Digital Video

Points of Communication:

Birmingham - PERMITTED LIST - ()

**SES-REG-20180925-04563**  E190930  Kevin G Kukowski
Registration Grant of Authority
Date Effective: 01/02/2020

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

SITE ID: SITE1
LOCATION: 7816 E Birch Lake Rd, Vilas, Winchester, WI
          46° 13' 27.90" N LAT.  89° 49' 38.10" W LONG.
ANTENNA ID: ANTI  3.7 meters  DH Satellite  37DH1
11700.0000 - 12200.0000 MHz  36M0G7W  Digital Video, Audio, Data
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video, Audio, Data

Points of Communication:

SITE1 - PERMITTED LIST - ()
Registration  09/25/2018 - 09/25/2033
Grant of Authority  Date Effective:  01/02/2020

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

SITE ID:  1
LOCATION:  4365 Fulton Dr NW (Studio Site), Stark, Canton, OH
40 ° 50 ’ 30.01 ” N LAT.  81 ° 25 ’ 49.25 ” W LONG.

ANTENNA ID:  Ant 1  3.7 meters  DH  3.7A

3700.0000 - 4200.0000 MHz  36M0G7W  Audio from Audio/Video

Points of Communication:  

1 - PERMITTED LIST - ()

SES–REG–20180925–04569  E  E190936  New Media Broadcasters, Inc.
Registration  09/25/2018 - 09/25/2033
Grant of Authority  Date Effective:  01/02/2020

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

SITE ID:  Site 1
LOCATION:  2210 31st Street N, Hill, Havre, MT
48 ° 34 ’ 50.60 ” N LAT.  109 ° 39 ’ 3.50 ” W LONG.

ANTENNA ID:  ANT1  2.8 meters  Scientific Atlanta  9000

3700.0000 - 4200.0000 MHz  36M0G7W  DIGITAL AUDIO

ANTENNA ID:  ANT2  3.7 meters  Harris  5115

3700.0000 - 4200.0000 MHz  36M0G7W  DIGITAL AUDIO

ANTENNA ID:  ANT3  3 meters  Miralite  370

3700.0000 - 4200.0000 MHz  36M0G7W  DIGITAL AUDIO

Points of Communication:  

Site 1 - PERMITTED LIST - ()

SES–REG–20180925–04570  E  E190937  KBJS FM 90.3
Registration  09/25/2018 - 09/25/2033
Grant of Authority  Date Effective:  01/02/2020

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

- **Fixed Satellite Service**

### SITE ID:

- Site 1

### LOCATION:

- 407 Nacogdoches St, Rusk, Jacksonville, TX
  - 31° 57' 43.90" N LAT.
  - 95° 16' 9.00" W LONG.

### ANTENNA ID:

- ANT 1

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

### Points of Communication:

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

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES--REG--20180925--04571</td>
<td>09/24/2018 - 09/24/2033</td>
</tr>
<tr>
<td>E190938</td>
<td>12/31/2019</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

### Nature of Service:

- **Fixed Satellite Service**

### SITE ID:

- WYSL

### LOCATION:

- 5620 South Lima Road, Livingston, Avon, NY
  - 42° 51' 19.40" N LAT.
  - 77° 42' 40.30" W LONG.

### ANTENNA ID:

- Comtech

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Power</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Audio and Video Signals</td>
</tr>
</tbody>
</table>

### Points of Communication:

**WYSL - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>E191000</td>
<td>01/02/2020</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

### Nature of Service:

- **Fixed Satellite Service**

### SITE ID:

- WFAE Harrisburg

### LOCATION:

- 8801 J.M. Keynes Drive Suite 91, Mecklenburg, Charlotte, NC
  - 35° 17' 14.20" N LAT.
  - 80° 41' 43.60" W LONG.

### ANTENNA ID:

- 1

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

### Points of Communication:

**WFAE Harrisburg - PERMITTED LIST - ()**
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1746 Cedar Street (EOC Site), Brevard, Rockledge, FL

28° 19' 40.60" N LAT. 80° 44' 14.10" W LONG.

**ANTENNA ID:** Ant 2 3 meters DH 30DH1

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

**Points of Communication:**

1 - PERMITTED LIST - ()

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Ottoville Headend

**LOCATION:** 150 Water St, Putnam, Ottoville, OH

40° 56' 11.90" N LAT. 84° 20' 16.20" W LONG.

**ANTENNA ID:** Patriot 3.8 meters Patriot PRT-380AZ

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW digital video

**Points of Communication:**

Ottoville Headend - PERMITTED LIST - ()

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Site 1

**LOCATION:** 350 County Road 152, Modoc, Alturas, CA

41° 30' 18.00" N LAT. 120° 30' 7.00" W LONG.

**ANTENNA ID:** ANT1 3 meters RS&I TVRO-3.0
<table>
<thead>
<tr>
<th>Sites</th>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Power</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1</td>
<td>E190945 J.D.M. COMMUNICATIONS, INC</td>
<td>09/26/2018 - 09/26/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>WYMC</td>
<td>197 WYMC Rd., Graves, Mayfield, KY</td>
<td>D37F48-4PC-5.5</td>
<td>0.00 dBW</td>
<td>Analog video with associated aural subcarriers, 8PSK &amp; QPSK</td>
</tr>
<tr>
<td>Site 1</td>
<td>E191003 Russellville Educ B/C Foundation</td>
<td>09/26/2018 - 09/26/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>Site 1</td>
<td>305 Lakefront DR, Pope, Russellville, AR</td>
<td>Series 36</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
<tr>
<td>Site 1</td>
<td>E191006 Board Of Regents, Univ. Of Wisconsin System</td>
<td>09/26/2018 - 09/26/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>Site 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Nature of Service:** Fixed Satellite Service

**SITE ID:** WHA-TV
**LOCATION:** 821 University Avenue, Dane, Madison, WI
43°4'21.90" N LAT. 89°23'59.60" W LONG.

**ANTENNA ID:** WHA-TV 3.8 meters Comtech 3.8 M

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Modulation</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
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</table>

**Points of Communication:**

**SES-REG-20180927-04583**
Registration
Date Effective: 09/27/2018 - 09/27/2033
Grant of Authority
Class of Station: Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Site 1
**LOCATION:** 1365 Enterprise Dr, Chester, East Goshen, PA
39°59'16.44" N LAT. 75°33'47.16" W LONG.

**ANTENNA ID:** 1 9 meters Vertex RSI 1 3.8 meters Comtech 829165-G1

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

**Points of Communication:**

**SES-REG-20180927-04587**
Registration
Date Effective: 01/06/2020
Grant of Authority
Class of Station: Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
### SITE ID: SITE1
LOCATION: 123 West Main St., Marshall, Marshalltown, IA
             42° 2’ 58.30” N LAT.  92° 54’ 55.68” W LONG.

ANTENNA ID: ANT1  3.7 meters  Prodelin  1374-995

- Frequency: 3700.0000 - 4200.0000 MHz
- Power: 0.00 dBW
- Modulation and Services: Analog Video associated with subcarriers

### Points of Communication:

<table>
<thead>
<tr>
<th>SES-REG-20180927-04589</th>
<th>E</th>
<th>E190956</th>
<th>Wabash Independent Networks, Inc.</th>
</tr>
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<tbody>
<tr>
<td>Grant of Authority</td>
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<td></td>
<td>Date Effective: 01/06/2020</td>
</tr>
<tr>
<td>Class of Station</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td></td>
</tr>
</tbody>
</table>

### SITE ID: Salem, IL Headend
LOCATION: 330 S. Hotze Rd., Marion, Salem, IL
             38° 36’ 57.73” N LAT.  88° 58’ 19.45” W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID: 1</th>
<th>3.7 meters</th>
<th>DH Satellite</th>
<th>37DHI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency: 3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital video TVRO operation for CATV retransmission</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID: 2</th>
<th>3.7 meters</th>
<th>DH Satellite</th>
<th>37DHI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency: 3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital video TVRO operation for CATV retransmission</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID: 3</th>
<th>3.7 meters</th>
<th>DH Satellite</th>
<th>37DHI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency: 3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital video TVRO operation for CATV retransmission</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID: 4</th>
<th>3.7 meters</th>
<th>DH Satellite</th>
<th>37DHI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency: 3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital video TVRO operation for CATV retransmission</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID: 5</th>
<th>3.7 meters</th>
<th>DH Satellite</th>
<th>37DHI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency: 3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital video TVRO operation for CATV retransmission</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID: 6</th>
<th>3.7 meters</th>
<th>DH Satellite</th>
<th>37DHI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency: 3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital video TVRO operation for CATV retransmission</td>
</tr>
<tr>
<td>ANTENNA ID</td>
<td>Diameter</td>
<td>Manufacturer</td>
<td>ID</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
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</tr>
<tr>
<td>7</td>
<td>3.7</td>
<td>DH Satelite</td>
<td>37DH1</td>
</tr>
<tr>
<td>8</td>
<td>3.7</td>
<td>DH Satelite</td>
<td>37DH1</td>
</tr>
<tr>
<td>9</td>
<td>4.5</td>
<td>DH Satelite</td>
<td>45DH1</td>
</tr>
<tr>
<td>10</td>
<td>4.5</td>
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<td>45DH1</td>
</tr>
<tr>
<td>11</td>
<td>5</td>
<td>Comtech</td>
<td>5MAzEl</td>
</tr>
</tbody>
</table>

**Points of Communication:**

**Salem, IL Headend - PERMITTED LIST - ()**

**SES–REG–20180927–04594**

<table>
<thead>
<tr>
<th>Registration</th>
<th>DEMOPOLIS CATV CO.</th>
<th>SES–REG–20180927–04594</th>
<th>E190961</th>
<th>DEMOPOLIS CATV CO.</th>
<th>09/27/2018 - 09/27/2033</th>
<th>Date Effective:</th>
<th>01/06/2020</th>
</tr>
</thead>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** site 1

**LOCATION:** 105 south cedar street, marengo, demopolis, AL

32 ° 30 ’ 57.50 ” N LAT. 87 ° 50 ’ 4.67 ” W LONG.

**ANTENNA ID:** ses1

**6 meters**

**patriot**

6 meter

3700.0000 - 4200.0000 MHz

30M0G7W 0.00 dBW 0.0

**Points of Communication:**

**site 1 - AMC-18 (S2713) - (139 WL)**

**SES–REG–20180927–04595**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Redwood Tv Improvement Corporation</th>
<th>SES–REG–20180927–04594</th>
<th>E190962</th>
<th>Redwood Tv Improvement Corporation</th>
<th>09/27/2018 - 09/27/2033</th>
<th>Date Effective:</th>
<th>01/06/2020</th>
</tr>
</thead>
</table>

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

SITE ID: Morton
LOCATION: 700 Monument Drive, Renville, Morton, MN
44 ° 32 ' 58.90 " N LAT. 94 ° 58 ' 1.00 " W LONG.

ANTENNA ID: Redwood 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

Morton - PERMITTED LIST - ()

SES–REG–20180927–04596 E E190965 Milwaukee Media LLC
Registration 09/27/2018 - 09/27/2033
Grant of Authority Date Effective: 12/30/2019

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

SITE ID: 1
LOCATION: 16595 W. Stratton Dr., Waukesha, New Berlin, WI
42 ° 57 ' 1.50 " N LAT. 88 ° 7 ' 12.50 " W LONG.

ANTENNA ID: 3.7m 3.7 meters General Dynamics 1374

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180928–04526 E E190877 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day
Registration 09/28/2018 - 09/28/2033
Grant of Authority Date Effective: 12/30/2019

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

SITE ID: 1
LOCATION: 3300 South 4440 West, WEST VALLEY CITY, UT
40 ° 42 ' 1.01 " N LAT. 111 ° 59 ' 52.08 " W LONG.

ANTENNA ID: 1 3.4 meters GENERAL DYNAMIC Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W
SITE ID: 2
LOCATION: 11685 South Kestrel Rise Road, SOUTH JORDAN, UT
40° 32' 18.42" N LAT. 111° 59' 52.83" W LONG.

ANTENNA ID: 2
3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 3
LOCATION: 4501 West 11800 South, RIVERTON, UT
40° 32' 10.98" N LAT. 111° 59' 56.92" W LONG.

ANTENNA ID: 3
3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 4
LOCATION: 4575 W 5415 S, KEARNS, UT
40° 39' 8.20" N LAT. 112° 0' 2.43" W LONG.

ANTENNA ID: 4
3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 5
LOCATION: 650 Anderson Drive, BRIGHAM CITY, UT
41° 31' 23.99" N LAT. 112° 0' 6.84" W LONG.

ANTENNA ID: 5
3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 6
LOCATION: 4660 West 5015 South, KEARNS, UT
40° 39' 37.00" N LAT. 112° 0' 8.41" W LONG.

ANTENNA ID: 6
3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 7
LOCATION: 2975 North 1000 West, PLEASANT VIEW, UT
41° 18' 40.39" N LAT. 112° 0' 11.88" W LONG.

ANTENNA ID: 7
3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 8
LOCATION: 4000 Parker Drive, RIVERDALE, UT
41° 11' 28.32" N LAT. 112° 0' 13.80" W LONG.
<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>4586 W Woodbury Cir, WEST VALLEY CITY, UT</td>
<td>40° 41' 6.25&quot; N</td>
<td>112° 0' 5.25&quot; W</td>
</tr>
<tr>
<td>10</td>
<td>7411 South 4800 West, WEST JORDAN, UT</td>
<td>40° 36' 58.38&quot; N</td>
<td>112° 0' 17.63&quot; W</td>
</tr>
<tr>
<td>11</td>
<td>4251 South 4800 West, WEST VALLEY CITY, UT</td>
<td>40° 40' 41.79&quot; N</td>
<td>112° 0' 19.08&quot; W</td>
</tr>
<tr>
<td>12</td>
<td>4881 West Cindy Lane, SOUTH JORDAN, UT</td>
<td>40° 34' 35.69&quot; N</td>
<td>112° 0' 25.15&quot; W</td>
</tr>
<tr>
<td>13</td>
<td>14550 South Juniper Crest, HERRIMAN, UT</td>
<td>40° 29' 11.90&quot; N</td>
<td>112° 0' 32.44&quot; W</td>
</tr>
<tr>
<td>14</td>
<td>8841 South 4800 West, WEST JORDAN, UT</td>
<td>40° 35' 26.94&quot; N</td>
<td>112° 0' 16.50&quot; W</td>
</tr>
</tbody>
</table>

**General Dynamics**

ANTENNA ID: Satcom 1344

3.4 meters

3700.0000 - 4200.0000 MHz
36M0G7W
ANTENNA ID: 21  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 22
LOCATION: 5360 West 7000 South, WEST JORDAN, UT
40° 37' 27.23" N LAT. 112° 1' 7.41" W LONG.

ANTENNA ID: 22  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 23
LOCATION: 5380 West 5400 South, KEARNS, UT
40° 39' 12.83" N LAT. 112° 1' 9.75" W LONG.

ANTENNA ID: 23  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 24
LOCATION: 5180 West 4700 South, WEST VALLEY CITY, UT
40° 40' 4.73" N LAT. 112° 0' 52.23" W LONG.

ANTENNA ID: 24  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 25
LOCATION: 4322 South 5400 West, WEST VALLEY CITY, UT
40° 40' 36.49" N LAT. 112° 1' 13.71" W LONG.

ANTENNA ID: 25  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 26
LOCATION: 5562 West 13680 South, RIVERTON, UT
40° 30' 11.71" N LAT. 112° 1' 25.63" W LONG.

ANTENNA ID: 26  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 27
LOCATION: 3737 South 5600 West, WEST VALLEY CITY, UT
40° 41' 27.93" N LAT. 112° 1' 27.04" W LONG.

ANTENNA ID: 27  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
SITE ID: 28
LOCATION: 895 North 625 West, BRIGHAM CITY, UT
41° 31' 41.42" N LAT. 112° 1' 33.94" W LONG.

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

SITE ID: 29
LOCATION: 865 South 300 West, BRIGHAM CITY, UT
41° 29' 36.75" N LAT. 112° 1' 13.28" W LONG.

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

SITE ID: 30
LOCATION: 2186 South 125 West, CLEARFIELD, UT
41° 4' 53.46" N LAT. 112° 1' 44.70" W LONG.

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

SITE ID: 31
LOCATION: 220 West 975 North, SUNSET, UT
41° 7' 42.49" N LAT.  112° 1' 48.57" W LONG.

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

SITE ID: 32
LOCATION: 2132 West 2700 North, FARR WEST, UT
41° 18' 25.43" N LAT. 112° 1' 49.52" W LONG.

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

SITE ID: 33
LOCATION: 685 West 2250 South, PERRY, UT
41° 28' 8.15" N LAT. 112° 1' 54.48" W LONG.

ANTENNA ID: 33 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 34
LOCATION: 420 South 800 West, BRIGHAM CITY, UT
41° 30' 7.93" N LAT. 112° 1' 44.68" W LONG.
ANTENNA ID: 34  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  35
LOCATION:  3930 South 6000 West, WEST VALLEY CITY, UT
40° 41' 9.98" N LAT.  112° 2' 4.95" W LONG.

ANTENNA ID:  35  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  36
LOCATION:  752 North 3700 West, LAYTON, UT
41° 4' 14.13" N LAT.  112° 2' 7.07" W LONG.

ANTENNA ID:  36  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  37
LOCATION:  1745 North 2300 West, FARR WEST, UT
41° 17' 20.80" N LAT.  112° 2' 9.20" W LONG.

ANTENNA ID:  37  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  38
LOCATION:  8230 South Highway 89, WILLARD, UT
41° 21' 32.62" N LAT.  112° 2' 11.97" W LONG.

ANTENNA ID:  38  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  39
LOCATION:  12791 South 6000 West, HERRIMAN, UT
40° 31' 11.17" N LAT.  112° 1' 57.01" W LONG.

ANTENNA ID:  39  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  40
LOCATION:  6270 West 7000 South, WEST JORDAN, UT
40° 37' 27.08" N LAT.  112° 2' 25.69" W LONG.

ANTENNA ID:  40  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
SITE ID: 41
LOCATION: 2811 South 6400 West, WEST VALLEY CITY, UT
40° 42' 33.58" N LAT. 112° 2' 35.63" W LONG.

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

SITE ID: 42
LOCATION: 13768 South 6400 West, HERRIMAN, UT
40° 30' 1.75" N LAT. 112° 2' 38.03" W LONG.

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

SITE ID: 43
LOCATION: 151 North 1000 West, SYRACUSE, UT
41° 6' 55.79" N LAT. 112° 2' 44.37" W LONG.

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

SITE ID: 44
LOCATION: 6175 West Borax Avenue, KEARNS, UT
40° 38' 42.32" N LAT. 112° 2' 17.09" W LONG.

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

SITE ID: 45
LOCATION: 5127 South 2400 West, ROY, UT
41° 10' 13.19" N LAT. 112° 2' 17.66" W LONG.

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

SITE ID: 46
LOCATION: 1288 West 1300 North, CLINTON, UT
41° 7' 58.38" N LAT. 112° 3' 2.90" W LONG.

ANTENNA ID: 46  3.4 meters  GENERAL DYNAMICS  Satcom 1344
3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 47
LOCATION: 6710 West 4145 South, WEST VALLEY CITY, UT
40° 40' 48.54" N LAT. 112° 3' 4.26" W LONG.
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 - ()
17 - PERMITTED LIST - ()
18 - PERMITTED LIST - ()
19 - PERMITTED LIST - ()
20 - PERMITTED LIST - ()
49 - PERMITTED LIST - ()

5 - PERMITTED LIST - ()

50 - PERMITTED LIST - ()

6 - PERMITTED LIST - ()

7 - PERMITTED LIST - ()

8 - PERMITTED LIST - ()

9 - PERMITTED LIST - ()

SES–REG–20180928–04616  E190983  Temple Broadcasting Company
Registration
Grant of Authority 09/21/2018 - 09/21/2033
Date Effective: 01/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1415 Island Ford Rd, Hopkins, Madisonville, KY
37° 21' 28.00" N LAT. 87° 28' 35.00" W LONG.

ANTENNA ID: Ant1 3.7 meters AFC Inc PR-12

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

Registration
Grant of Authority 09/30/2018 - 09/30/2033
Date Effective: 01/02/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 35006 US Hwy 2 SE (KKCQ Studio), Polk, Fosston, MN
47° 33' 48.40" N LAT. 95° 43' 29.00" W LONG.

ANTENNA ID: ANT1 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–20180930–04603  E  E190971  R&J Broadcasting, Inc.  09/30/2018 - 09/30/2033
Registration
Grant of Authority
Date Effective:  01/02/2020

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

SITE ID:  KSDM Studio
LOCATION:  519 Third Street, Koochiching, International Falls, MN
48 ° 36 ' 9.20 " N LAT.  93 ° 24 ' 28.00 " W LONG.
ANTENNA ID:  ANT1  3.7 meters  Prodelin  3.7 Meter

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Audio

Points of Communication:

KSDM Studio - PERMITTED LIST - ()

SES–REG–20180930–04609  E  E190976  R&J Broadcasting, Inc.  09/30/2018 - 09/30/2033
Registration
Grant of Authority
Date Effective:  01/02/2020

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

SITE ID:  KRJM Studio
LOCATION:  213 North Main Street, Mahnomen, Mahnomen, MN
47 ° 19 ' 0.60 " N LAT.  95 ° 58 ' 8.70 " W LONG.
ANTENNA ID:  ANT1  3.7 meters  Prodelin  3.7 Meter

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Audio

Points of Communication:

KRJM Studio - PERMITTED LIST - ()

SES–REG–20180930–04610  E  E190977  R&J Broadcasting, Inc.  09/30/2018 - 09/30/2033
Registration
Grant of Authority
Date Effective:  01/02/2020

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

SITE ID:  KRJB Studio
LOCATION:  312 West Main Street, Norman, Ada, MN
47 ° 17 ' 56.00 " N LAT.  96 ° 30 ' 59.00 " W LONG.
ANTENNA ID:  ANT1  3.7 meters  Prodelin  3.7 Meter
Points of Communication:

**KRJB Studio - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES–REG–20180930–04612</td>
<td>E190979</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>R&amp;J Broadcasting, Inc.</td>
<td>09/30/2018 - 09/30/2033</td>
<td>Date Effective: 01/02/2020</td>
<td></td>
</tr>
<tr>
<td>LOCATION: 37208 US Hwy 169, Aitkin, Aitkin, MN</td>
<td>SITE ID: KFGI Studio</td>
<td>LOCATION: 370.0000 - 4200.0000 MHz</td>
<td>36M0G7W 0.00 dBW Digital Audio</td>
</tr>
<tr>
<td>46° 32' 23.70&quot; N LAT.</td>
<td>PRODELIN</td>
<td>3.7 meters</td>
<td>3.7 Meter</td>
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<tr>
<td>93° 39' 26.60&quot; W LONG.</td>
<td>ANTENNA ID: ANT1</td>
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<td>Points of Communication: KFGI Studio - PERMITTED LIST - ()</td>
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**WRBA - PERMITTED LIST - ()**

<table>
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<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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</thead>
<tbody>
<tr>
<td>SES–REG–20180930–04614</td>
<td>E190981</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>Powell Broadcasting Company, LLC</td>
<td>09/30/2018 - 09/30/2033</td>
<td>Date Effective: 01/02/2020</td>
<td></td>
</tr>
<tr>
<td>LOCATION: 118 Gwyn Drive, Bay, Panama City Beach, FL</td>
<td>SITE ID: WRBA</td>
<td>LOCATION: 370.0000 - 4200.0000 MHz</td>
<td>36M0G7W 0.00 dBW Digital Audio</td>
</tr>
<tr>
<td>30° 9' 59.20&quot; N LAT.</td>
<td>PATRIOT</td>
<td>3.7 meters</td>
<td>3.7 Meter</td>
</tr>
<tr>
<td>85° 45' 20.40&quot; W LONG.</td>
<td>ANTENNA ID: One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Points of Communication: WRBA - PERMITTED LIST - ()</td>
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<td></td>
<td></td>
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</table>

**Della J Woofter**

<table>
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<th>Nature of Service</th>
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<tr>
<td>SES–REG–20180930–04617</td>
<td>E190984</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>Date Effective: 01/02/2020</td>
<td>09/30/2018 - 09/30/2033</td>
<td>Date Effective: 01/02/2020</td>
<td></td>
</tr>
<tr>
<td>LOCATION: 118 Gwyn Drive, Bay, Panama City Beach, FL</td>
<td>SITE ID: WRBA</td>
<td>LOCATION: 370.0000 - 4200.0000 MHz</td>
<td>36M0G7W 0.00 dBW Digital Audio</td>
</tr>
<tr>
<td>30° 9' 59.20&quot; N LAT.</td>
<td>PATRIOT</td>
<td>3.7 meters</td>
<td>3.7 Meter</td>
</tr>
<tr>
<td>85° 45' 20.40&quot; W LONG.</td>
<td>ANTENNA ID: One</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Points of Communication: WRBA - PERMITTED LIST - ()</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Digital modulation of media content at varying data rates and FEC rates.
SITE ID: WHAW Studio
LOCATION: 300 Harrison Ave, Lewis, Weston, WV
39°2'25.90" N LAT. 80°27'15.90" W LONG.

ANTENNA ID: ANTI 3 meters Comtech 3 meter
3700.0000 - 4200.0000 MHz 36M0F8W 0.00 dBW Analog Audio

Points of Communication:

WHAW Studio - PERMITTED LIST - ()

Registration 09/30/2018 - 09/30/2033
Grant of Authority Date Effective: 01/02/2020

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

SITE ID: WEVR Radio
LOCATION: 178 Radio Road, St. Croix, River Falls, WI
44°53'17.50" N LAT. 92°39'2.50" W LONG.

ANTENNA ID: One 3.8 meters Comtech 3.8m
3700.0000 - 4200.0000 MHz 36M0G7W
Digital modulation of media content at varying data rates and FEC

Points of Communication:

WEVR Radio - PERMITTED LIST - ()

SES–REG–20181001–04855 E  E191226 First Baptist Church of Riverview
Registration 10/01/2018 - 10/01/2033
Grant of Authority Date Effective: 12/30/2019

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

SITE ID: KOLU-Pasco
LOCATION: 4921 W. Wernett St., Franklin, Pasco, WA
46°14'59.12" N LAT. 119°9'20.46" W LONG.

ANTENNA ID: ANT1 3.7 meters DawnCo 3.7m
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio Carrier

Points of Communication:

KOLU-Pasco - PERMITTED LIST - ()
<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station:</th>
<th>Nature of Service:</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Frequency Band</th>
<th>Antenna Size</th>
<th>Service Type</th>
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<tbody>
<tr>
<td>NHK Cosmoomedia America Inc.</td>
<td>10/02/2018 - 10/02/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>HUB</td>
<td>100 Broadway 15th Floor, New York, New York, NY</td>
<td>ANT-1: 3.8 meters, True Focus VSAT</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>64K0G7W</td>
<td>DVB-S2 Video</td>
</tr>
<tr>
<td>VALLEY COUNTY TV DIST. #1</td>
<td>10/02/2018 - 10/02/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>Glasgow</td>
<td>1204 7th St. N, Valley, Glasgow, MT</td>
<td>ANT-1: 3.7 meters, Prodelin</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital Video Carrier</td>
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<tr>
<td>Korean American Television Broadcasting Corporation</td>
<td>10/03/2018 - 10/03/2033</td>
<td>Fixed Earth Stations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Page 34 of 85
Nature of Service: Fixed Satellite Service

SITE ID: 34
LOCATION: 4675 River Green Pkwy, Gwinnett, Duluth, GA
34 ° 0' 48.81" N LAT. 84 ° 10' 20.81" W LONG.

ANTENNA ID: 1 3.8 meters Prodelin 1385
3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO AND AUDIO

Points of Communication:

34 - PERMITTED LIST - ()

SES–REG–20181003–04762 E191132 Gray Television Licensee, LLC
Registration 10/03/2018 - 10/03/2033
Grant of Authority Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WMTV
LOCATION: 615 Forward Drive, Madison, WI
43 ° 3' 3.00" N LAT. 89 ° 29' 13.00" W LONG.

ANTENNA ID: 1 4.5 meters EASi
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 2 3.8 meters DH Satellite
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 3 9 meters Wold Communications
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

WMTV - PERMITTED LIST - ()

SES–REG–20181003–04778 E191148 Caballero Acquisition LLC
Registration 10/03/2018 - 10/03/2033
Grant of Authority Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 36
LOCATION: 20350 Corral Del Cielo Rd, Monterey, Salinas, TX
36 ° 32' 4.80" N LAT. 121 ° 37' 12.70" W LONG.
Points of Communication:

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

SES–REG–20181003–04779  E  E191149  Mifflin County Communications, Inc.
Registration 10/03/2018 - 10/03/2033
Grant of Authority Date Effective: 12/30/2019

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

SITE ID: 1
LOCATION: 114 N Logan Blvd, Mifflin, Burnham, PA
40°37’48.30”N LAT. 77°34’7.02”W LONG.

ANTENNA ID: PAT-1 3.8 meters Patriot Antenna Systems SSE38

3700.0000 - 4200.0000 MHz 36M0G7W Digital, Audio, Data

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181003–04780  E  E191150  MWB Broadcasting II, LLC
Registration 10/03/2018 - 10/03/2033
Grant of Authority Date Effective: 12/30/2019

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

SITE ID: Site 1
LOCATION: 205 South 16th ST., Valley, Ord, NE
41°36’6.46”N LAT. 98°55’46.20”W LONG.

ANTENNA ID: ANT 1 3 meters D & H 30DH1

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL VIDEO AND AUDIO AND DATA

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES–REG–20181003–04781  E  E191151  WWAY-TV, LLC
Registration 10/02/2018 - 10/02/2033
Grant of Authority Date Effective: 01/06/2020

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

SITE ID: Studio
LOCATION: 1224 Magnolia Village Way, Brunswick, Leland, NC
34 ° 12 ' 50.11 " N LAT. 78 ° 1 ' 50.74 " W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Site Name</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5 meters</td>
<td>D&amp;H Satellite</td>
<td>TVRO 5.0</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video</td>
</tr>
<tr>
<td>2</td>
<td>4.5 meters</td>
<td>D&amp;H Satellite</td>
<td>TVRO 4.5</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video</td>
</tr>
<tr>
<td>3</td>
<td>3.8 meters</td>
<td>D&amp;H Satellite</td>
<td>TVRO 3.8</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video</td>
</tr>
<tr>
<td>4</td>
<td>4.5 meters</td>
<td>Andrew</td>
<td>TVRO 4.5</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video</td>
</tr>
</tbody>
</table>

Points of Communication:

Studio - PERMITTED LIST - ()

**SES–REG–20181003–04782**  E191152  D & H Media
Registration: 10/03/2018 - 10/03/2033
Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 800 PCA Rd 91 SW 120 Rd, Johnson, Warrensburg, MO
38 ° 46 ' 31.00 " N LAT. 93 ° 43 ' 12.00 " W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Site Name</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT1</td>
<td>3.048 meters</td>
<td>Unknown</td>
<td>Unknown</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Audio/Video with associated subcarriers</td>
</tr>
</tbody>
</table>

Points of Communication:

Site 1 - PERMITTED LIST - ()

**SES–REG–20181003–04783**  E191153  Riverfront Broadcasting of Keokuk, Inc.
Registration: 10/03/2018 - 10/03/2033
Date Effective: 12/30/2019

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

SITE ID: 1
LOCATION: 108 Washington St, Lee, Keokuk, IA
40° 24’ 53.73” N LAT. 91° 24’ 1.39” W LONG.

ANTENNA ID: 1 3.8 meters COMTECH 829165-G1
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Multiplexed digital audio services

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181003–04784 E E191154 RIVERFRONT BROADCASTING OF MINNESOTA, INC.
Registration 10/03/2018 - 10/03/2033
Grant of Authority Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1450 Hwy 60/71 N, Cottonwood, Windom, MN
43° 52’ 17.55” N LAT. 95° 6’ 49.73” W LONG.

ANTENNA ID: 1 3.7 meters MiraLite M3.7
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Multiplexed digital audio services

Points of Communication:

1 - PERMITTED LIST - ()

Registration 09/22/2018 - 09/22/2033
Grant of Authority Date Effective: 01/03/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Knoxville
LOCATION: 1218 Broadcast Way, Knox, Knoxville, TN
35° 59’ 43.96” N LAT. 83° 57’ 22.36” W LONG.

ANTENNA ID: ANT1 3.8 meters Patriot PRT-380AZ
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

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

SITE ID: 1
LOCATION: 199 Wealtha Avenue, Jefferson, Watertown, NY
43° 58' 52.20" N LAT. 75° 56' 9.40" W LONG.

ANTENNA ID: 3.8M 3.8 meters Commscope 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: FWB Studio Dish
LOCATION: 111 Ferry Road, Okaloosa, Fort Walton Beach, FL
30° 24' 27.09" N LAT. 86° 36' 8.06" W LONG.

ANTENNA ID: Studio Dis 3.8 meters Norsat 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations

Points of Communication:
FWB Studio Dish - PERMITTED LIST - ()

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

SITE ID: 1
LOCATION: 2423 Walker Swinton Road, Florence, Timmonsville, SC
34° 8' 39.00" N LAT. 79° 50' 0.32" W LONG.

ANTENNA ID: ANT1 3.8 meters Comtech 3.8M
### Points of Communication:

<table>
<thead>
<tr>
<th>Name</th>
<th>ID Number</th>
<th>Location</th>
<th>Site ID</th>
<th>Smart ID</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odessa</td>
<td>RB3, LLC</td>
<td>7800 W University Blvd, Ector, Odessa, TX</td>
<td>Odessa</td>
<td>Unknown</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>Odessa</td>
<td>Golden West Cablevision, Inc.</td>
<td>415 N 7th Street, Custer, Custer, SD</td>
<td>Custer</td>
<td>Unknown</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

### Table 1 - PERMITTED LIST - ()

<table>
<thead>
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<th>Date Effective</th>
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<tr>
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<td>10/04/2018 - 10/04/2033</td>
<td>12/30/2019</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>SES-REG-20181004-04786</td>
<td>10/04/2018 - 10/04/2033</td>
<td>12/30/2019</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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</table>

#### Odessa - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
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<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Odessa</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>1</td>
<td>Custer</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

#### Odessa - PERMITTED LIST - ()

<table>
<thead>
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<th>SITE ID</th>
<th>LOCATION</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Odessa</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>1</td>
<td>Custer</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

---

**Attributes:**
- **Digital traffic, various FEC, data rates and modulations**
- **3700.0000 - 4200.0000 MHz**
- **Modulation and Services Digital Video**
- **30M0G7W**
- **Video, Audio, and Data**
- **36M0G7W**
- **Unknown**
- **0.00 dBW**
- **5.0 metal**
- **8026**
- **8005**
- **Unknown**
- **3.7 fiberglass**
- **4.6 meters**
- **3.7 meters**
- **Unknown**
- **3.7 meters**
- **Unknown**
- **Unknown**
- **Scientific Atlanta**
- **Unknown**
- **Odessa**
- **415 N 7th Street, Custer, Custer, SD**
- **31 ° 50 ' 57.60 " N LAT. 102 ° 28 ' 2.10 " W LONG.**
- **43 ° 46 ' 21.61 " N LAT. 103 ° 36 ' 2.08 " W LONG.**

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**Notes:**
- **Points of Communication:**
- **Nature of Service:**
- **SITE ID:**
- **LOCATION:**
- **ANTENNA ID:**
- **Grant of Authority:**
- **Date Effective:**
- **Class of Station:**
- **Registration:**
- **Modulation and Services Digital Video**
Points of Communication:

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Antenna Size</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1</td>
<td>Site 1 - PERMITTED LIST - ()</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>Ant 1</td>
<td>3.07 meters Prodelin N/A</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30M0G7W Digital Audio</td>
</tr>
<tr>
<td>Brewster</td>
<td>Brewster - PERMITTED LIST - ()</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>HERO</td>
<td>6.1 meters</td>
<td>6.1 meter</td>
<td>Digial Video Carrier</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AFC</td>
<td>5 meters</td>
<td>5.0 meter</td>
<td>Digial Video Carrier</td>
</tr>
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</table>

**SES–REG–20181004–04787**  E191157  Sky High Broadcasting Corporation

**SES–REG–20181004–04788**  E191158  Denali 20020, LLC

**SES–REG–20181004–04789**  E191159  Denali 20020, LLC
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 11 Edsall Drive, Sussex, Vernon, NJ
41° 12' 3.60" N LAT. 74° 31' 37.20" W LONG.

ANTENNA ID: 1 4.5 meters Andrew 4.5 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 7 meters ANTIENA TECH CORP Simulsat 7

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3 4.3 meters Patriot 4.3 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181004–04790** E191160 MTN Broadcasting, Inc
Registration 10/04/2018 - 10/04/2033
Grant of Authority Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1930 N. Center Street, Marshall, Marshalltown, IA
42° 4' 17.00" N LAT. 92° 55' 20.00" W LONG.

ANTENNA ID: ANTI1 2.8 meters Scientific Atlanta 9000

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

Points of Communication:

**SES–REG–20181004–04794** E191164 Times-Citizen Communications, Inc.
Registration 10/04/2018 - 10/04/2033
Grant of Authority Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 406 Stevens Street, Hardin, Iowa Falls, IA
42° 31' 15.50" N LAT. 93° 15' 49.10" W LONG.
ANTENNA ID: ANT1 3.7 meters Prodelin 1374-995

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181004-04795 E E191165 Michael Petagine (d/b/a MRP Electric)
Registration 10/04/2018 - 10/04/2033
Grant of Authority Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 6 Spring St., Columbia, Hudson, NY
42°15'2.00" N LAT. 73°46'14.00" W LONG.

ANTENNA ID: ANT 1 3 meters DH Satellite DH 3.0

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation Services Analog video with associated subcarriers

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181004-04796 E E191166 Riverfront Broadcasting of Iowa LLC
Registration 10/04/2018 - 10/04/2033
Grant of Authority Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1020 E 2nd St, Hamilton, Webster City, IA
42°28'7.43" N LAT. 93°47'50.36" W LONG.

ANTENNA ID: 1 3.8 meters DH Products 38DH1

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Multiplexed digital audio services

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181004-04797 E E191167 The Municipal Communications Utility of the City of Cedar Falls
Registration 10/04/2018 - 10/04/2033
Grant of Authority Date Effective: 12/30/2019

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

SITE ID: CFU
LOCATION: 1 Utility Parkway, Black Hawk, Cedar Falls, IA
42 ° 31 ’ 42.00 " N LAT. 92 ° 26 ’ 20.00 " W LONG.

ANTENNA ID: 1 4.5 meters Scientific Atlanta 8345
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video,

ANTENNA ID: 2 4.5 meters Scientific Atlanta 8345
3700.0000 - 4200.0000 MHz 30M0G7W Digital Video,

Points of Communication:

CFU - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181004-04799</td>
<td>10/04/2018 - 10/04/2033</td>
<td>12/30/2019</td>
</tr>
</tbody>
</table>

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

SITE ID: 1
LOCATION: 311 E Nebaska St, Kossuth, Algona, IA
43 ° 4 ’ 5.03 " N LAT. 94 ° 14 ’ 0.41 " W LONG.

ANTENNA ID: 1 3.8 meters DH Products 38DH1
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Multiplexed digital audio services

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181004-04800</td>
<td>10/04/2018 - 10/04/2033</td>
<td>12/30/2019</td>
</tr>
</tbody>
</table>

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

SITE ID: 1
LOCATION: 2196 Montana Ave, Humboldt, Humboldt, IA
42 ° 43 ’ 56.68 " N LAT. 94 ° 12 ’ 22.88 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH 829165-G1
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Multiplexed digital audio services
Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181004–04801**  E191171  Riverfront Broadcasting of Iowa LLC

Registration Grant of Authority
Date Effective: 10/04/2018 - 10/04/2033  12/30/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 824 Keeler St, Boone, Boone, IA
42 ° 3 ′ 52.29 ″ N LAT. 93 ° 52 ′ 51.01 ″ W LONG.

**ANTENNA ID:** 1  3.8 meters  DH Products  38DH1

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Multiplexed digital audio services

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181004–04802**  E191172  Harlan Municipal Utilities

Registration Grant of Authority
Date Effective: 10/04/2018 - 10/04/2033  12/30/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Harlan

**LOCATION:** 2400 Southwest Ave, Shelby, Harlan, IA
41 ° 38 ′ 35.26 ″ N LAT. 95 ° 19 ′ 13.53 ″ W LONG.

**ANTENNA ID:** ANT 1  4.5 meters  Superior Satellite Engineers  8345

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

Points of Communication:

Harlan - PERMITTED LIST - ()

**SES–REG–20181004–04824**  E191195  Lincoln County Broadcasters, Inc.

Registration Grant of Authority
Date Effective: 10/04/2018 - 10/04/2033  12/30/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
### Site 1 - 230 West Cedar Street Libby Montana, Lincoln, Libby, MT

| SITE ID: | 1 |
| LOCATION: | 230 West Cedar Street Libby Montana, Lincoln, Libby, MT |
| LAT: | 48° 22' 52.00" N |
| LONG: | 115° 33' 31.00" W |

#### Antenna Information

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Type</th>
<th>Description</th>
<th>Frequency</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2.8 meters</td>
<td>Patriot</td>
<td>unknown</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36K0G7W</td>
</tr>
<tr>
<td>1</td>
<td>2.8 meters</td>
<td>Patriot</td>
<td>unknown</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36K0G7W</td>
</tr>
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</table>

#### Points of Communication:

1 - PERMITTED LIST - ()

**Registration:**

<table>
<thead>
<tr>
<th>SES-REG-20181004-04825</th>
<th>E191196</th>
<th>CK Broadcasting, Inc.</th>
<th>10/04/2018 - 10/04/2033</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective:</td>
<td>12/30/2019</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

### Site 1 - 630 West 8th St., Nuckolls, Superior, NE

| SITE ID: | Site 1 |
| LOCATION: | 630 West 8th St., Nuckolls, Superior, NE |
| LAT: | 40° 1' 30.60" N |
| LONG: | 98° 4' 39.40" W |

#### Antenna Information

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Type</th>
<th>Description</th>
<th>Frequency</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.7 meters</td>
<td>D &amp; H</td>
<td>37DH4</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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#### Points of Communication:

Site 1 - PERMITTED LIST - ()

**Registration:**

<table>
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<tr>
<th>SES-REG-20181004-04827</th>
<th>E191198</th>
<th>Radio Partners, LLC</th>
<th>10/04/2018 - 10/04/2033</th>
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</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective:</td>
<td>12/30/2019</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

### Site 1 - Warren, PA Studio

| SITE ID: | Warren, PA Studio |
| LOCATION: | 310 Second Ave., Warren, Warren, PA |
| LAT: | 41° 50' 41.89" N |
| LONG: | 79° 8' 52.57" W |

#### Antenna Information

<table>
<thead>
<tr>
<th>ID</th>
<th>Name</th>
<th>Type</th>
<th>Description</th>
<th>Frequency</th>
<th>Power</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>3.6 meters</td>
<td>American Antennas</td>
<td>TVRO 3.6</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30M0G7W</td>
</tr>
</tbody>
</table>

#### Points of Communication:
**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** MMHR

**LOCATION:** 5589 Greenwich Rd Suite 200, Virginia Beach County, Virginia Beach, VA

- 36° 50’ 33.50” N LAT.
- 76° 10’ 48.80” W LONG.

**ANTENNA ID:** ANTI

- 3.7 meters
- Scientific Atlanta

- 3700.0000 - 4200.0000 MHz
- 30M0G7W

**Points of Communication:**

**MMHR - PERMITTED LIST - ()**

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** KIST

**LOCATION:** 414 East Cota Street, Santa Barbara, Santa Barbara, CA

- 34° 25’ 19.90” N LAT.
- 119° 41’ 31.40” W LONG.

**ANTENNA ID:** 3.7M

- 3.7 meters
- Prodelin

- 3700.0000 - 4200.0000 MHz
- 36M0G7W

- 3700.0000 - 4200.0000 MHz
- 30K0G7W

- 3700.0000 - 4200.0000 MHz
- 30K0F3W

- 3700.0000 - 4200.0000 MHz
- 36M0F3W

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

SITE ID: WCHL Estes Drive
LOCATION: 201 S Estes Drive, USA, Chapel Hill, NC
35° 55’ 38.00” N LAT. 79° 1’ 38.00” W LONG.

ANTENNA ID: Roof1 3.7 meters Prodelin 136-750
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW modulation and services digital audio

Points of Communication:

WCHL Estes Drive - PERMITTED LIST - ()

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

SITE ID: Spokane
LOCATION: 6000 Krell Ridge Lane, Spokane, Spokane, WA
47° 34’ 45.18” N LAT. 117° 17’ 55.43” W LONG.

ANTENNA ID: ANT1 3.8 meters DH 38DHI
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Digital Video

Points of Communication:

Spokane - PERMITTED LIST - ()

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

SITE ID: 1- Bala Cynwyd
LOCATION: 231 St. Asaphs Road, Montgomery, Bala Cynwyd, PA
40° 0’ 26.70” N LAT. 75° 13’ 15.30” W LONG.

ANTENNA ID: 1 3.8 meters Patriot AzEl C-Band Comm.
Points of Communication:

1- Bala Cynwyd - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Registration</th>
<th>Class of Station</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
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</thead>
<tbody>
<tr>
<td>SES--REG--20181005--04843</td>
<td>Fixed Earth Stations</td>
<td>10/05/2018 - 10/05/2033</td>
<td>12/30/2019</td>
<td>High Desert Broadcasting LLC</td>
<td>Fixed Earth Stations</td>
<td>10/05/2018 - 10/05/2033</td>
<td>01/06/2020</td>
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<tr>
<td>E191214</td>
<td></td>
<td></td>
<td></td>
<td>South Carolina Broadcasting Partners</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Nature of Service:  

Fixed Satellite Service

SITE ID:  

KGMX

LOCATION:  

570 East Ave Q-9, Los Angeles, Palmdale, CA

34 ° 34’ 40.90 ” N LAT.  

118 ° 7’ 7.30 ” W LONG.

ANTENNA ID:  

3.7M

3.7 meters

Prodelin

1374

3700.0000 - 4200.0000 MHz

36M0G7W

Digital traffic, various FEC, data rates and modulation

Points of Communication:

KGMX - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Class of Station</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Registration</th>
<th>Class of Station</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
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<tbody>
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<td>Fixed Earth Stations</td>
<td>10/05/2018 - 10/05/2033</td>
<td>01/06/2020</td>
<td>South Carolina Broadcasting Partners</td>
<td>Fixed Earth Stations</td>
<td>10/05/2018 - 10/05/2033</td>
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<tr>
<td>E191216</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Nature of Service:  

Fixed Satellite Service

SITE ID:  

Studio Address

LOCATION:  

5807 Shakespeare Road, Richland, Columbia, SC

34 ° 3 ‘ 24.00 ” N LAT.  

80 ° 58’ 49.00 ” W LONG.

ANTENNA ID:  

Ant 1

7 meters

Andrew

C-Band 7m

3700.0000 - 4200.0000 MHz

36M0G7F

Digital Data

ANTENNA ID:  

Ant 2

4.6 meters

Andrew

C-Band 4.6
Points of Communication:

Studio Address - PERMITTED LIST - ()

**SES–REG–20181005–04846**  E  E191217  BEASLEY MEDIA GROUP LICENSES, LLC
Registration  10/05/2018 - 10/05/2033
Grant of Authority  Date Effective:  01/06/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1 Ferndale
**LOCATION:** 1 Radio Plaza, Oakland, Ferndale, FL
42° 27' 12.40" N LAT.  83° 9' 56.02" W LONG.

**ANTENNA ID:** 1 Ferndale  3.81 meters  DawnCo  C38F-2C

3700.0000 - 4200.0000 MHz  36M0G7F  Digital Data

Points of Communication:

1 Ferndale - PERMITTED LIST - ()

**SES–REG–20181005–04857**  E  E191228  Point Broadband, LLC
Registration  10/05/2018 - 10/05/2033
Grant of Authority  Date Effective:  01/06/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Site 1
**LOCATION:** 600 Fox Run Pkwy, Lee, Opelika, AL
32° 39’ 13.07” N LAT.  85° 21’ 32.47” W LONG.

**ANTENNA ID:** ANT1  3.7 meters  Prodelin  1374-990

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Digital Video

Points of Communication:

Site 1 - PERMITTED LIST - ()

**SES–REG–20181005–04860**  E  E191231  EMG2, LLC
Registration  10/05/2018 - 10/05/2033
Grant of Authority  Date Effective:  12/30/2019

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
SITE ID: 1
LOCATION: 13 1/2 East Main, Walla Walla, Walla Walla, WA
46° 4' 1.50 " N LAT. 118 ° 20 ' 20.50 " W LONG.

ANTENNA ID: 2.8M 2.8 meters Scientific Atlanta 9000

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

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181005–04861 E191232 Univision Atlanta LLC
Registration 10/05/2018 - 10/05/2033
Grant of Authority Date Effective: 01/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1800 Briarcliff Road, Dekalb, Atlanta, GA
33 ° 48' 25.20 " N LAT. 84 ° 20 ' 23.75 " W LONG.

ANTENNA ID: 1 4.5 meters Dawnco 4.5

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

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181005–04862 E191233 EAB of Russellville, LLC
Registration 10/05/2018 - 10/05/2033
Grant of Authority Date Effective: 01/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 35
LOCATION: 2705 E. Parkway, Pope, Russellville, AR
35 ° 16 ' 58.44 " N LAT. 93 ° 6 ' 8.27 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH 12.5 foot

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

ANTENNA ID: 2 3.8 meters COMTECH 12.5 foot

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

ANTENNA ID: 3 3.8 meters COMTECH 12.5 foot
Points of Communication:

35 - 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>
</tr>
</thead>
<tbody>
<tr>
<td>E191234 M&amp;M Broadcasters, Ltd.</td>
<td>10/05/2018 - 10/05/2033</td>
<td>01/06/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: 1
LOCATION: 5501 Bagby, McLennan, Waco, TX
LAT: 31° 30' 3.60" N
LONG: 97° 9' 50.30" W

ANTENNA ID: 1
3.8 meters Comsat 1386

3700.0000 - 4200.0000 MHz 36M0G7W Digital Audio and Video

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>
</tr>
</thead>
<tbody>
<tr>
<td>E191235 East Arkansas Broadcasters, Inc.</td>
<td>10/05/2018 - 10/05/2033</td>
<td>01/06/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: 1
LOCATION: Cross, Wynne, AR
LAT: 35° 15' 15.65" N
LONG: 90° 47' 47.48" W

ANTENNA ID: 1
3.8 meters COMTECH 12.5 foot

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

ANTENNA ID: 2
3.8 meters com 12.5 foot

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Craighead, Jonesboro, AR
35° 48' 23.98" N LAT. 90° 42' 37.26" W LONG.

ANTENNA ID: 1
3.8 meters COMTECH 12.5 foot
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

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

SITE ID: 1
LOCATION: 2920 S. Durango Dr., Clark, Las Vegas, NV
36° 8' 11.61" N LAT. 115° 16' 42.06" W LONG.

ANTENNA ID: 1
3 meters SAMI S1-10
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()
SITE ID: 1
LOCATION: 78 Veronica Ave., Somerset, Somerset, NJ
40 ° 28 ’ 35.40 ” N LAT. 74 ° 29 ’ 31.30 ” W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 1374-995

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181005-04868 E E191239 BEASLEY MEDIA GROUP LICENSES, LLC
Registration Grant of Authority
10/05/2018 - 10/05/2033 Date Effective: 12/30/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1165 Chestnut St., Middlesex, Newton, MA
42 ° 18 ’ 28.80 ” N LAT. 71 ° 13 ’ 25.90 ” W LONG.

ANTENNA ID: 1 3.7 meters Comtech 3.7

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181005-04869 E E191240 BEASLEY MEDIA GROUP LICENSES, LLC
Registration Grant of Authority
10/05/2018 - 10/05/2033 Date Effective: 01/06/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 9721 Executive Center Dr. North Suite 20, Pinellas, St. Petersburg, FL
27 ° 51 ’ 37.70 ” N LAT. 82 ° 38 ’ 26.20 ” W LONG.

ANTENNA ID: 1 3.8 meters Comtech Fiberglass

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()
**SES–REG–20181005–04870**

**Registration**

Date Effective: 01/06/2020

**Grant of Authority**

Date Effective: 01/06/2020

**Class of Station**: Fixed Earth Stations

**Nature of Service**: Fixed Satellite Service

**SITE ID**: 1

**LOCATION**: 20125 S. Tamiami Trail, Lee, Estero, FL

26 ° 26’ 55.00” N LAT. 81 ° 48’ 53.90” W LONG.

**ANTENNA ID**: 3.8

**3.8 meters**

**Comsat**

**3.8**

**3700.0000 - 4200.0000 MHz**

**36M0G7W**

Digital Video and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES–REG–20181005–04871**

**Registration**

Date Effective: 12/30/2019

**Grant of Authority**

Date Effective: 12/30/2019

**Class of Station**: Fixed Earth Stations

**Nature of Service**: Fixed Satellite Service

**SITE ID**: 1

**LOCATION**: 812 Philadelphia Pike, New Castle, Wilmington, DE

39 ° 46’ 19.60” N LAT. 75 ° 29’ 47.60” W LONG.

**ANTENNA ID**: 3.7

**3.7 meters**

**Comtech**

**Prodelin 17374**

**3700.0000 - 4200.0000 MHz**

**36M0G7W**

Digital Video and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES–REG–20181005–04872**

**Registration**

Date Effective: 12/30/2019

**Grant of Authority**

Date Effective: 12/30/2019

**Class of Station**: Fixed Earth Stations

**Nature of Service**: Fixed Satellite Service

**SITE ID**: 1

**LOCATION**: 2775 Mt. Ephrain Road, Camden, Camden, NJ

39 ° 46’ 19.60” N LAT. 75 ° 29’ 47.80” W LONG.

**ANTENNA ID**: 3.7

**3.7 meters**

**Prodelin**

**1374**
Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181005-04873</td>
<td>10/05/2018 - 10/05/2033</td>
<td>12/30/2019</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1520 South Blvd., Mecklenburg, Charlotte, NC
35 ° 12' 51.35" N LAT. 80 ° 51' 19.68" W LONG.

ANTENNA ID: 1
3 meters SAMI SI-10

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181005-04889</td>
<td>10/05/2018 - 10/05/2033</td>
<td>01/06/2020</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1005 Arapahoe St Building 2, Dundy, Benkelman, NE
40 ° 3' 12.95" N LAT. 101 ° 32' 6.91" W LONG.

ANTENNA ID: 1
4.5 meters American Antennas, Inc TVRO-4.5

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW None

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
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<tbody>
<tr>
<td>SES-REG-20181005-04895</td>
<td>10/05/2018 - 10/05/2033</td>
<td>12/30/2019</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
**SITE ID:** 1  
**LOCATION:** 1 Radio Drive, Pocahontas  
36° 16' 36.88" N LAT.  
90° 57' 18.04" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Power</th>
<th>Service Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.8 meters</td>
<td>COMTECH</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
<tr>
<td>2</td>
<td>3.8 meters</td>
<td>COMTECH</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
<tr>
<td>3</td>
<td>3.8 meters</td>
<td>c</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
<tr>
<td>4</td>
<td>3.8 meters</td>
<td>COMTECH</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES–REG–20181005–04896**  
Arkansas County Broadcasters, Inc.  
Registration: 10/05/2018  
Grant of Authority: 10/05/2018 - 10/05/2033  
Date Effective: 12/30/2019  
**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1  
**LOCATION:** 1818 S. Buerkle, Arkansas, Stuttgart, AR  
34° 29' 8.03" N LAT.  
91° 33' 31.82" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Power</th>
<th>Service Details</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>3.8 meters</td>
<td>COMTECH</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
<tr>
<td>2</td>
<td>3.8 meters</td>
<td>COMTECH</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog Video with associated subcarriers</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES–REG–20181005–04897**  
Woodward Communications, Inc.  
Registration: 10/05/2018  
Grant of Authority: 10/05/2018 - 10/05/2033  
Date Effective: 01/06/2020  
**Class of Station:** Fixed Earth Stations
<table>
<thead>
<tr>
<th>Nature of Service:</th>
<th>Fixed Satellite Service</th>
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</thead>
<tbody>
<tr>
<td>SITE ID:</td>
<td>1</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>2800 E. College Avenue, Outagamie, Appleton, WI 44°15' 34.20&quot; N LAT. 88°21' 59.00&quot; W LONG.</td>
</tr>
<tr>
<td>ANTEナNA ID:</td>
<td>1</td>
</tr>
<tr>
<td>3.7 meters Viking P370</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz 36M0F8W 0.00 dBW Analog audio</td>
<td></td>
</tr>
<tr>
<td>Points of Communication:</td>
<td></td>
</tr>
<tr>
<td>1 - PERMITTED LIST - ()</td>
<td></td>
</tr>
<tr>
<td>Registration Grant of Authority</td>
<td>10/05/2018 - 10/05/2033 Date Effective: 01/06/2020</td>
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<tr>
<td>Class of Station:</td>
<td>Fixed Earth Stations</td>
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<td>Nature of Service:</td>
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<tr>
<td>SITE ID:</td>
<td>1</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>413 NW Bridge St., Grant, John Day, OR 44°25' 11.60&quot; N LAT. 118°57' 14.30&quot; W LONG.</td>
</tr>
<tr>
<td>ANTEナNA ID:</td>
<td>3.4M</td>
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<tr>
<td>3.4 meters Winegard 3.4M</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations</td>
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<td>Points of Communication:</td>
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<tr>
<td>1 - PERMITTED LIST - ()</td>
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<tr>
<td>SES–REG–20181005–04899 E191270 Pecos Valley Broadcasting Company</td>
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<tr>
<td>Registration Grant of Authority</td>
<td>10/05/2018 - 10/05/2033 Date Effective: 01/06/2020</td>
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<tr>
<td>Class of Station:</td>
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<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>SITE ID:</td>
<td>1</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>317 W. Quay Avenue, Eddy, Artesia, NM 32°50' 26.60&quot; N LAT. 104°24' 1.80&quot; W LONG.</td>
</tr>
<tr>
<td>ANTEナNA ID:</td>
<td>3.8M</td>
</tr>
<tr>
<td>3.8 meters Comtech 3.8 METER PF</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulation</td>
<td></td>
</tr>
</tbody>
</table>
3700.0000 - 4200.0000 MHz 30K0G7W  Digital traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz 36M0G3W  Digital / analog traffic, various FEC, data rates and modulation
3700.0000 - 4200.0000 MHz 30K0G3W  Digital / analog traffic, various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181005–04900**  E  E191271  V-Teck Communications Inc
Registration Grant of Authority
10/05/2018 - 10/05/2033 Date Effective: 01/06/2020

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

SITE ID: 1
LOCATION: 1501 COUNTY RD 235, LOGAN, BELLEFONTAINE, OH
40° 22’ 5.50” N LAT. 83° 44’ 0.70” W LONG.

ANTENNA ID: 1  3.2 meters  AFC MICRODYNE  PR-10

3700.0000 - 4200.0000 MHz 36M0G7W  Digital Audio Services

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181005–04903**  E  E191274  Wabash Independent Networks, Inc.
Registration Grant of Authority
10/05/2018 - 10/05/2033 Date Effective: 01/06/2020

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

SITE ID: 1
LOCATION: 834 W. North Ave., Clay, Flora, IL
38° 40’ 7.44” N LAT. 88° 29’ 51.50” W LONG.

ANTENNA ID: 1  3.7 meters  General Dynamics Satcom Technologies  Prodelin Series 1374

3700.0000 - 4200.0000 MHz 36M0G7W  0.00 dBW  Digital video TVRO operation for CATV retransmission

ANTENNA ID: 2  3.7 meters  General Dynamics Satcom Technologies  Prodelin Series 1374
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital video TVRO operation for CATV retransmission

ANTENNA ID:  3  3.7 meters General Dynamics Satcom Technologies  Prodelin Series 1374

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital video TVRO operation for CATV retransmission

ANTENNA ID:  4  3.7 meters General Dynamics Satcom Technologies  Prodelin Series 1374

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital video TVRO operation for CATV retransmission

ANTENNA ID:  5  3.7 meters General Dynamics Satcom Technologies  Prodelin Series 1374

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital video TVRO operation for CATV retransmission

ANTENNA ID:  6  4.5 meters Satellite Export & Engineering  Patriot 4.5

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital video TVRO operation for CATV retransmission

ANTENNA ID:  7  4.5 meters Superior Satellite Engineers  SSE 8345 series

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital video TVRO operation for CATV retransmission

ANTENNA ID:  8  4.5 meters Superior Satellite Engineers  SSE 8345 series

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital video TVRO operation for CATV retransmission

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181005–04905  E191276  KCMB, LLC
Registration  10/05/2018 - 10/05/2033
Grant of Authority  Date Effective:  01/06/2020

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  1009-C Adams Ave., Union, La Grande, OR
45 ° 19 ' 47.00 " N LAT.  118 ° 5 ' 45.00 " W LONG.

ANTENNA ID:  1  3.4 meters Winegard  3.4M

3700.0000 - 4200.0000 MHz  36M0G7W  Digital traffic, various FEC, data rates and modulations
<table>
<thead>
<tr>
<th>Points of Communication:</th>
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<tbody>
<tr>
<td><strong>1 - PERMITTED LIST - ()</strong></td>
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<td><strong>SES–REG–20181006–04748</strong></td>
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<tr>
<td>Registration</td>
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<td><strong>Class of Station:</strong></td>
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<tr>
<td><strong>Nature of Service:</strong></td>
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<tr>
<td><strong>SITE ID:</strong></td>
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<tr>
<td><strong>LOCATION:</strong></td>
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<tr>
<td><strong>32 ° 35 ’ 16.14 ” N LAT.</strong></td>
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<td><strong>ANTENNA ID:</strong></td>
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<td><strong>ANTENNA ID:</strong></td>
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<td><strong>3700.0000 - 4200.0000 MHz</strong></td>
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<td><strong>Points of Communication:</strong></td>
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<td><strong>Dallas - PERMITTED LIST - ()</strong></td>
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<td><strong>Nature of Service:</strong></td>
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<tr>
<td><strong>SITE ID:</strong></td>
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<tr>
<td><strong>LOCATION:</strong></td>
</tr>
<tr>
<td><strong>35 ° 42 ’ 49.84 ” N LAT.</strong></td>
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<td><strong>ANTENNA ID:</strong></td>
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<td><strong>ANTENNA ID:</strong></td>
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<td><strong>3700.0000 - 4200.0000 MHz</strong></td>
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<td><strong>Points of Communication:</strong></td>
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<td><strong>Raleigh - PERMITTED LIST - ()</strong></td>
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<td><strong>SES–REG–20181009–04754</strong></td>
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<td><strong>Class of Station:</strong></td>
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<tr>
<td><strong>Nature of Service:</strong></td>
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SITE ID: Henderson
LOCATION: 180 Pacific Center Dr, Clark, Henderson, NV
36°2'25.80" N LAT. 115°2'20.30" W LONG.

ANTENNA ID: 4.5 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Henderson - PERMITTED LIST - ()

SES-REG-20181009-04755 E E191125 Cox Communications Las Vegas Inc
Registration 07/26/2018 - 07/26/2033
Grant of Authority Date Effective: 01/03/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Henderson
LOCATION: 180 Pacific Center Dr, Clark, Henderson, NV
36°2'26.50" N LAT. 115°2'21.00" W LONG.

ANTENNA ID: 4.5 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Henderson - PERMITTED LIST - ()

SES-REG-20181009-04756 E E191126 Cox Communications Las Vegas Inc
Registration 07/26/2018 - 07/26/2033
Grant of Authority Date Effective: 01/03/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Henderson
LOCATION: 180 Pacific Center Dr, Clark, Henderson, NV
36°2'25.70" N LAT. 115°2'20.40" W LONG.

ANTENNA ID: 4.5 4.5 meters Scientific Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

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

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10 OBSERVATION RD. (WDIO-TV, LLC), ST. LOUIS, DULUTH, MN
46 ° 47 ’ 13.80 ” N LAT. 92 ° 7 ’ 23.60 ” W LONG.

ANTENNA ID: WDIO-TV 4.6 meters VERTEX 4.6 B7WU

3700.0000 - 4200.0000 MHz 36M0G8W 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

---

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WDIO-TV
LOCATION: 10 OBSERVATION RD., ST. LOUIS, DULUTH, MN
46 ° 47 ’ 14.40 ” N LAT. 92 ° 7 ’ 24.20 ” W LONG.

ANTENNA ID: WDIO-TV 4.6 meters AFC-ANTENNAS FOR COMMUNICATIONS 5399543

3700.0000 - 4200.0000 MHz 36M0G8W 0.00 dBW COMPRESSED DIGITAL VIDEO

Points of Communication:

WDIO-TV - PERMITTED LIST - ()

---

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WDIO-TV
LOCATION: 10 OBSERVATION RD., ST. LOUIS, DULUTH, MN
46 ° 47 ’ 11.50 ” N LAT. 92 ° 7 ’ 24.70 ” W LONG.

ANTENNA ID: WDIO-TV 5.1 meters ANDREW CORPORATION A-51m
Points of Communication:

WDIO-TV - PERMITTED LIST - ()

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<td>01/02/2020</td>
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</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Earth Station Site
LOCATION: 1401 Ivy Street, Hamilton, Chattanooga, TN
LAT: 35 ° 2 ' 24.91 " N
LONG: 85 ° 16 ' 46.66 " W
ANTENNA ID: EPB-1
Size: 4.5 meters
Provider: Superior Satellite Engineers
ID: 8345

Points of Communication:

Earth Station Site - PERMITTED LIST - ()

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<thead>
<tr>
<th>Registration</th>
<th>Date Effective</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
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<td>06/19/2018 - 06/19/2033</td>
<td>01/02/2020</td>
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</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Shaver Lake
LOCATION: Buckeye Ln, Stevenson Mtn, Fresno, Shaver Lake, CA
LAT: 37 ° 6 ' 41.10 " N
LONG: 119 ° 19 ' 19.60 " W
ANTENNA ID: 5.0 Meter
Size: 5 meters
Provider: Patriot
ID: 5.0

Points of Communication:

Shaver Lake - PERMITTED LIST - ()

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<td>06/19/2018 - 06/19/2033</td>
<td>01/02/2020</td>
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</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
SITE ID: 3.7 Meter
LOCATION: 1050 Sierra Nevada Rd, Shoshone, Kellog, ID
47° 30’ 5.20” N LAT. 116° 7’ 14.00” W LONG.

ANTENNA ID: 3.7 Meter 3.7 meters Patriot 3.7 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

3.7 Meter - PERMITTED LIST - ()

SES-REG-20181016-04653 E E191020 Cequel III Communications I, LLC
Registration 06/19/2018 - 06/19/2033
Grant of Authority Date Effective: 01/02/2020

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

SITE ID: Bishop
LOCATION: 325 Airport Rd, Inyo, Bishop, CA
37° 21’ 55.20” N LAT. 118° 22’ 4.90” W LONG.

ANTENNA ID: 3.5 meter 3.5 meters Vertex 3.5 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Bishop - PERMITTED LIST - ()

SES-REG-20181016-04654 E E191021 Friendship Cable of Arkansas, Inc.
Registration 06/20/2018 - 06/20/2033
Grant of Authority Date Effective: 01/02/2020

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

SITE ID: Nashville
LOCATION: 1332 Mine Street, Howard, Nashville, AR
33° 57’ 59.60” N LAT. 93° 49’ 45.30” W LONG.

ANTENNA ID: 3.8 Meter 3.8 meters Patriot 3.8 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Nashville - PERMITTED LIST - ()
**SES–REG–20181016–04656**

<table>
<thead>
<tr>
<th>E191023</th>
<th>Friendship Cable of Texas, Inc.</th>
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<tbody>
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<td>Grant of Authority</td>
<td>06/18/2018 - 06/18/2033</td>
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</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Nocona

**LOCATION:** 229 Ramsey Road, Montague, Nocona, TX

33 ° 46' 23.60” N LAT. 97 ° 43' 16.60” W LONG.

**ANTENNA ID:** 3.8 Meter 3.8 meters

**LOCATION:** COMTECH ANTENNA SYSTEMS

**ANTENNA ID:** 3.8 Meter

**Points of Communication:**

Nocona - PERMITTED LIST - ()

**SES–REG–20181016–04657**

<table>
<thead>
<tr>
<th>E191024</th>
<th>Universal Cable Holdings, Inc.</th>
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<td>06/16/2018 - 06/16/2033</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Quanah

**LOCATION:** 811 E 4th St, Hardeman, Quanah, TX

34 ° 17' 44.20” N LAT. 99 ° 44' 2.40” W LONG.

**ANTENNA ID:** 3.8 3.8 meters

**LOCATION:** COMTECH ANTENNA SYSTEMS

**ANTENNA ID:** 3.8 Meter

**Points of Communication:**

Quanah - PERMITTED LIST - ()

**SES–REG–20181016–04659**

<table>
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<th>E191026</th>
<th>Friendship Cable of Texas, Inc.</th>
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<td>Grant of Authority</td>
<td>06/18/2018 - 06/18/2033</td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Olney

**LOCATION:** 1455 Country Club Road, Young, Olney, TX

33 ° 20' 34.90” N LAT. 98 ° 44' 58.70” W LONG.

**ANTENNA ID:** 3.8 3.8 meters

**LOCATION:** COMTECH ANTENNA SYSTEMS

**ANTENNA ID:** 3.8 Meter
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<tr>
<th>Site ID</th>
<th>Location</th>
<th>SITE LAT/LONG</th>
<th>Antenna ID</th>
<th>Bundle ID</th>
<th>Nature of Service</th>
<th>Effective Date</th>
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<tr>
<td>Olney</td>
<td>Olney, TX</td>
<td>34° 5' 16.70&quot; N / 98° 34' 20.60&quot; W</td>
<td>3.8 meter</td>
<td>36M0G7W</td>
<td>Digital Video Carrier</td>
<td>06/18/2018 - 06/18/2033</td>
</tr>
<tr>
<td>Seymour</td>
<td>Seymour, TX</td>
<td>33° 35' 45.90&quot; N / 99° 15' 6.50&quot; W</td>
<td>3.8 Meter</td>
<td>36M0G7W</td>
<td>Digital Video Carrier</td>
<td>06/18/2018 - 06/18/2033</td>
</tr>
<tr>
<td>Seymour</td>
<td>Seymour, TX</td>
<td>33° 35' 45.90&quot; N / 99° 15' 6.50&quot; W</td>
<td>3.8 Meter</td>
<td>36M0G7W</td>
<td>Digital Video Carrier</td>
<td>06/18/2018 - 06/18/2033</td>
</tr>
</tbody>
</table>
SITE ID: Electra
LOCATION: 1001 N Electra St, Wichita, Electra, TX
34 ° 2 ' 14.50 " N LAT. 98 ° 54 ' 44.30 " W LONG.

ANTENNA ID: 3.8 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Electra - PERMITTED LIST - ()

**SES-REG-20181016-04665** E E191032 Cequel III Communications I, LLC
Registration Date Effective: 01/02/2020
Grant of Authority 06/19/2018 - 06/19/2033

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

SITE ID: Ft Ord
LOCATION: Butler & Sixth, Monterey, Ft Ord, CA
36 ° 37 ' 35.80 " N LAT. 121 ° 41 ' 28.90 " W LONG.

ANTENNA ID: 5 meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

Ft Ord - PERMITTED LIST - ()

**SES-REG-20181016-04666** E E191033 Friendship Cable of Texas, Inc.
Registration Date Effective: 01/02/2020
Grant of Authority 06/18/2018 - 06/18/2033

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

SITE ID: ALBANY
LOCATION: 8001 W HWY 180, SHACKLEFORD, ALBANY, TX
32 ° 43 ' 3.40 " N LAT. 99 ° 19 ' 3.40 " W LONG.

ANTENNA ID: 4.5SC
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

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

Nature of Service: Fixed Satellite Service

SITE ID: ANSON
LOCATION: 1802 AVENUE F, JONES, ANSON, TX
32° 45’ 0.90” N LAT. 99° 53’ 28.40” W LONG.

ANTENNA ID: 7.0Pa 7 meters Patriot 7 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

LEXINGTON - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: LEXINGTON
LOCATION: 820 S 24th Street, Lafayette, LEXINGTON, MO
39° 10’ 38.20” N LAT. 93° 51’ 54.00” W LONG.

ANTENNA ID: 4.6SC 4.6 meters SCIENTIFIC-ATLANTIC 8125

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

HEAVEREN - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: HEAVEREN
LOCATION: 500 W Avenue I, LEFLORE, HEAVEREN, OK
34° 53’ 3.70” N LAT. 94° 36’ 34.20” W LONG.

ANTENNA ID: 3.8CO 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 METER PF
Points of Communication:

HEAVENER - PERMITTED LIST - ()

**SES-REG-20181016-04671**  E E191038  W.K. Communications, Inc.
Registration 06/20/2018 - 06/20/2033
Grant of Authority Date Effective: 01/02/2020

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

SITE ID: PAOLA
LOCATION: 29139 W 303rd Street, MIAMI, PAOLA, KS
38° 34' 40.90" N LAT. 94° 55' 24.80" 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:

PAOLA - PERMITTED LIST - ()

**SES-REG-20181016-04673**  E E191040  Classic Cable of Oklahoma, Inc.
Registration 06/20/2018 - 06/20/2033
Grant of Authority Date Effective: 01/02/2020

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

SITE ID: IDABEL
LOCATION: 900 SE Lynn Lane, MCCURTAIN, IDABEL, OK
33° 53' 8.20" N LAT. 94° 48' 32.60" W LONG.

ANTENNA ID: 4.5SC 4.5 meters SCIENTIFIC-ATLANTA, INC 4.5M PRIME FOCUS

3700.0000 - 4200.0000 MHz  36M0G7W 0.00 dBW Digital Video Carrier

Points of Communication:

IDABEL - PERMITTED LIST - ()

**SES-REG-20181016-04674**  E E191041  Classic Cable of Oklahoma, Inc.
Registration 06/20/2018 - 06/20/2033
Grant of Authority Date Effective: 01/02/2020

Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
SITE ID: SPIRO
LOCATION: 20779 King Street, LeFlore, SPIRO, OK
35° 15' 6.50" N LAT. 94° 37' 4.70" W LONG.

ANTENNA ID: 4.6SC 4.6 meters SCIENTIFIC-ATLANTIC 4.6 METER
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

SPIRO - PERMITTED LIST - ()

SES-REG-20181016-04675 E E191042 Classic Cable of Oklahoma, Inc. Registration Grant of Authority Date Effective: 06/20/2018 - 06/20/2033 01/02/2020

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

SITE ID: SALLISAW
LOCATION: 905 Eppler Street, Sequoyah, SALLISAW, OK
35° 38' 22.20" N LAT. 97° 48' 4.60" W LONG.

ANTENNA ID: 5.0SC 5 meters SCIENTIFIC-ATLANTA, INC 5.0M PRIME FOCUS
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

SALLISAW - PERMITTED LIST - ()

SES-REG-20181016-04676 E E191043 Classic Cable of Louisiana LLC Registration Grant of Authority Date Effective: 06/20/2018 - 06/20/2033 01/02/2020

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

SITE ID: ST JOSEPH
LOCATION: 105 HIGHWAY 604, TENSAS, ST JOSEPH, LA
31° 56' 35.80" N LAT. 91° 12' 27.60" W LONG.

ANTENNA ID: 3.7Pa 3.7 meters Patriot 3.7 Meter
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

ST JOSEPH - PERMITTED LIST - ()
Date Effective: 01/02/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: FORT SCOTT
LOCATION: 1605 E 12th Street, Bourbon, FORT SCOTT, KS
37° 49' 38.10" N LAT. 94° 41' 9.40" W LONG.

ANTENNA ID: 6.0PA 6 meters PATRIOT 6 METER
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication: FORT SCOTT - PERMITTED LIST - ()

Date Effective: 01/02/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: FOREST HILL
LOCATION: 3726 Hwy 112, Rapides, FOREST HILL, LA
31° 3' 34.60" N LAT. 92° 29' 40.90" W LONG.

ANTENNA ID: 3.7PA 3.7 meters PATRIOT 3.7 METER
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication: FOREST HILL - PERMITTED LIST - ()

Date Effective: 01/03/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: HEALDTON
LOCATION: 3100 Santa Fe Rd., CARTER, HEALDTON, OK
34° 11' 36.10" N LAT. 97° 27' 18.20" W LONG.

ANTENNA ID: 8.1M 8.1 meters Vertex 8.1 Meter
Points of Communication:

HEALDTON - PERMITTED LIST - ()

**SES-REG-20181017-04777**

Registration

**Ventana Television, Inc.**

Grant of Authority

09/22/2018 - 09/22/2033

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Huntington

LOCATION: 1313 Overlook Dr., Cabell, Huntington, WV

38° 25’ 10.43” N LAT. 82° 24’ 5.73” W LONG.

ANTENNA ID: ANTI 3 meters DH 30DH1

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

Points of Communication:

Huntington - PERMITTED LIST - ()

**SES-RWL-20191211-01698**

Renewal

**Idaho State University**

Grant of Authority

02/09/2020 - 02/09/2035

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 921 South 8th Avenue PO Box 8310, (KISU-FM), Pocatello, Pocatello, ID

42° 51’ 36.60” N LAT. 112° 26’ 0.90” W LONG.

ANTENNA ID: 3.8M. 3.8 meters Comtech 3.8 METER PF

3700.0000 - 4200.0000 MHz 10M3G7W 0.00 dBW Digital Broadcast Audio Carrier

3700.0000 - 4200.0000 MHz 30K0F1D 0.00 dBW Digital Broadcast Audio Carrier

Points of Communication:

1 - PERMITTED LIST - ()

**SES-RWL-20191218-01741**

Renewal

**WFMY Television, LLC**

Grant of Authority

01/17/2020 - 01/17/2035

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

**SITE ID:** 1  
**LOCATION:** 6256 DAVIS COUNTRY ROAD, RANDOLPH, RANDLEMAN, NC  
   35° 52' 1.00" N LAT. 79° 50' 30.00" W LONG.

**ANTENNA ID:** 1  
9.2 meters  
SATCOM TECH.  
920CS  
3700.0000 - 4200.0000 MHz  
36M0F8W

#### Points of Communication:

1 - PERMITTED LIST - ()

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<th>E050016</th>
<th>Roberts Communications Network, Inc.</th>
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<tr>
<td>Renewal Grant of Authority</td>
<td>03/17/2020 - 03/17/2035 Date Effective: 01/06/2020</td>
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</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

**SITE ID:** 1  
**LOCATION:** 5522 104th Avenue, Kenosha, Kenosha, WI  
   42° 35' 9.70" N LAT. 87° 56' 34.30" W LONG.

**ANTENNA ID:** 1  
3.8 meters  
Prodelin  
1383  
6291.0000 - 6425.0000 MHz  
9M00G7W  69.40 dBW  
Digital, QPSK, various FEC, various data rates, various info.

6291.0000 - 6425.0000 MHz  
3M00G7W  64.70 dBW  
Digital, QPSK, various FEC, various data rates, various info.

6291.0000 - 6425.0000 MHz  
36M0F3F  72.40 dBW  
Standard video with associated audio subcarriers

6177.0000 - 6281.0000 MHz  
36M0F3F  72.40 dBW  
Standard video with associated audio subcarriers

6167.0000 - 6281.0000 MHz  
9M00G7W  69.40 dBW  
Digital, QPSK, various FEC, various data rates, various info.

6167.0000 - 6281.0000 MHz  
3M00G7W  64.70 dBW  
Digital, QPSK, various FEC, various data rates, various info.

3700.0000 - 4200.0000 MHz  
9M00G7W  0.00 dBW  
Digital, QPSK, various FEC, various data rates, various info.

3700.0000 - 4200.0000 MHz  
3M00G7W  0.00 dBW  
Digital, QPSK, various FEC, various data rates, various info.

3700.0000 - 4200.0000 MHz  
36M0F3F  0.00 dBW  
Standard video with associated audio subcarriers.
### Points of Communication:

#### 1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Station ID</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>Location</th>
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<th>Frequency Band 1</th>
<th>Gain 1</th>
<th>Antenna ID</th>
<th>Frequency Band 2</th>
<th>Gain 2</th>
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<td>01/06/2020 - 01/06/2035</td>
<td>Fixed Earth Stations</td>
<td>Domestic Fixed Satellite Service</td>
<td>6516 PAPERMILL DRIVE, KNOX, KNOXVILLE, TN</td>
<td>ESA46-124</td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>72.40 dBW</td>
<td>36M0F8W</td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>36M0F8W</td>
</tr>
<tr>
<td>SES-RWL-20200103-00004</td>
<td>02/14/2020 - 02/14/2035</td>
<td>Temporary Fixed Earth Station</td>
<td>Domestic Fixed Satellite Service</td>
<td>8 ELM STREET, NEW HAVEN, NEW HAVEN, CT</td>
<td>1200 US DSNG</td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>62.24 dBW</td>
<td>24M0G7F</td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>24M0G7F</td>
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<tr>
<td>SES-RWL-20200106-00003</td>
<td>02/10/2020 - 02/10/2035</td>
<td>Temporary Fixed Earth Station</td>
<td>Fixed Satellite Service</td>
<td></td>
<td></td>
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Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES-STA-20191108-01418</th>
<th>E6394</th>
<th>Alascom, Inc.</th>
</tr>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 01/07/2020</td>
</tr>
</tbody>
</table>

Class of Station:

On January 7, 2020, Alascom, Inc. was granted special temporary authority for 60 days, beginning January 7, 2020, to operate its fixed earth station in Takotna, AK to communicate with the Spaceway 1 (S2191) satellite at the 139° W.L. orbital location in the 29500-3000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands.

Points of Communication:

<table>
<thead>
<tr>
<th>SES-STA-20191115-01513</th>
<th>E190127</th>
<th>Intelsat License LLC</th>
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<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 01/06/2020</td>
</tr>
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</table>

Class of Station:

On January 6, 2020, Intelsat License LLC was granted of special temporary authority for 30 days, beginning January 06, 2019, to test its Napa, CA fixed earth station antenna with the Galaxy 15 satellite at (S2387) at 133° W.L. on center frequencies 1575.42 MHz (space-to-Earth) and 6639.27 MHz (Earth-to-space).

Points of Communication:

<table>
<thead>
<tr>
<th>SES-STA-20191125-01587</th>
<th>E000650</th>
<th>Alascom, Inc.</th>
</tr>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
</tr>
</tbody>
</table>

Class of Station:

On December 30, 2019, Alascom, Inc was granted special temporary authority for 60 days, beginning December 30, 2019 to operate its fixed earth station located in Dot Lake, AK with the Spaceway 1 satellite (S2191) at 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.
On December 30, 2019, Alascom, Inc was granted special temporary authority for 60 days, beginning December 30, 2019, to operate its fixed earth station located in Eagle City, AK with Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

On January 7, 2020, Alascom, Inc was granted special temporary authority for 60 days, beginning January 7, 2020, to operate a fixed earth station located in Ruby, AK with the Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

On January 7, 2020, Alascom, Inc was granted special temporary authority for 60 days, beginning January 7, 2020, to operate a fixed earth station located in Devil, AK with the Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

On January 7, 2020, Alascom, Inc was granted special temporary authority for 60 days, beginning January 7, 2020, to operate a fixed earth station located in Rampart, AK with the Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.
On January 7, 2020, Alascom, Inc was granted special temporary authority for 60 days, beginning January 7, 2020, to operate a fixed earth station located in Graham, AK with the Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

Points of Communication:

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<tr>
<th>SES-STA-20191125-01609</th>
<th>E2268</th>
<th>Alascom, Inc.</th>
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<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 01/07/2020</td>
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Class of Station:

On January 7, 2020, Alascom, Inc was granted special temporary authority for 60 days, beginning January 7, 2020, to operate a fixed earth station located in Port Alexander, AK with the Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

Points of Communication:

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<tr>
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<th>E5206</th>
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<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 01/07/2020</td>
</tr>
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</table>

Class of Station:

On January 7, 2020, Alascom, Inc was granted special temporary authority for 60 days, beginning January 7, 2020, to operate a fixed earth station located in Platinum, AK with the Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

Points of Communication:

<table>
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<tr>
<th>SES-STA-20191125-01611</th>
<th>E2207</th>
<th>Alascom, Inc.</th>
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<td>Grant of Authority</td>
<td>Date Effective: 01/07/2020</td>
</tr>
</tbody>
</table>

Class of Station:

On January 7, 2020, Alascom, Inc was granted special temporary authority for 60 days, beginning January 7, 2020, to operate a fixed earth station located in Pedro Bay, AK with the Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

Points of Communication:

<table>
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<tr>
<th>SES-STA-20191125-01612</th>
<th>E4246</th>
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<td>Date Effective: 01/07/2020</td>
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Class of Station:

On January 7, 2020, Alascom, Inc was granted special temporary authority for 60 days, beginning January 7, 2020, to operate a fixed earth station located in Ouzinkie, AK with the Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.
<table>
<thead>
<tr>
<th>SES-STA-20191125-01616</th>
<th>E6238</th>
<th>Alascom, Inc.</th>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
</tr>
</tbody>
</table>

### Class of Station:

On December 30, 2019, Alascom, Inc was granted Special Temporary Authority for 60 days beginning December 30, 2019, to operate its fixed earth station located in Nikolai, AK with Spaceway 1 satellite (S2191) at orbital location 138.9°W in the of 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

### Points of Communication:

<table>
<thead>
<tr>
<th>SES-STA-20191125-01618</th>
<th>EKZ7</th>
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<tbody>
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<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
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</table>

### Class of Station:

On December 30, 2019, Alascom, Inc ("Alascom") was granted Special Temporary Authority for 60 days beginning December 30, 2019, to operate its fixed earth station located in Minchumina, AK with Spaceway 1 satellite (S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

### Points of Communication:

<table>
<thead>
<tr>
<th>SES-STA-20191125-01622</th>
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<th>Alascom, Inc.</th>
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<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
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</table>

### Class of Station:

On December 30, 2019, Alascom, Inc ("Alascom") is granted Special Temporary Authority for 60 days to operate its fixed earth station located in Lime Village, AK with Spaceway 1 satellite (Call Sign S2191) at orbital location 138.9° W on center frequencies of 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth).

### Points of Communication:

<table>
<thead>
<tr>
<th>SES-STA-20191125-01629</th>
<th>E2220</th>
<th>Alascom, Inc.</th>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
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### Class of Station:

On December 30, 2019, Alascom, Inc was granted special temporary authority for 60 days December 30, 2019, to operate its fixed earth station located in Karluk, AK with the Spaceway 1 satellite (Call Sign S2191) at orbital location 138.9° W.L. in the 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth) frequency bands.

### Points of Communication:

<table>
<thead>
<tr>
<th>SES-STA-20191125-01631</th>
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<th>Alascom, Inc.</th>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
</tr>
</tbody>
</table>
On December 30, 2019, Alascom, Inc (“Alascom”) is granted Special Temporary Authority for 60 days to operate its fixed earth station located in Kalskag, AK with Spaceway 1 satellite (Call Sign S2191) at orbital location 138.9°W on center frequencies of 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth).

Points of Communication:

<table>
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<tr>
<th>SES–STA–20191125–01636</th>
<th>E2216</th>
<th>Alascom, Inc.</th>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
</tr>
</tbody>
</table>

Class of Station:

On December 30, 2019, Alascom, Inc (“Alascom”) is granted Special Temporary Authority for 60 days to operate its fixed earth station located in Hughes, AK with Spaceway 1 satellite (Call Sign S2191) at orbital location 138.9°W on center frequencies of 29500-30000 MHz (Earth-to-space) and 19700-20200 MHz (space-to-Earth).

Points of Communication:

<table>
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<tr>
<th>SES–STA–20191126–01589</th>
<th>E040125</th>
<th>Intelsat License LLC</th>
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<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
</tr>
</tbody>
</table>

Class of Station:

On December 30, 2019, Intelsat License LLC (“Intelsat”) is granted special temporary authority for 30 days, beginning January 24, 2020, to operate its Riverside, California earth station to provide launch and early orbit phase (“LEOP”) services with GISAT-1 satellite licensed by India, to be at 93.5° E.L. orbital location on center frequencies: 6423.208 MHz, and 6425.980 MHz (Earth-to-space); and 4199.145 MHz, and 4199.582 MHz (space-to-Earth).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20191127–01591</th>
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<th>Denali 20020, LLC</th>
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<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 12/30/2019</td>
</tr>
</tbody>
</table>

Class of Station:

On December 30, 2019, Denali 20020 LLC was granted special temporary authority for 30 days beginning December 30, 2019 to conduct antenna verification testing with Galaxy 15 (Call Sign S2387) at orbital location 133 degrees W.L. on center frequency 6639.27 MHz (Earth-to-space).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20191209–01678</th>
<th>E190649</th>
<th>SpaceX Services, Inc.</th>
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<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 01/06/2020</td>
</tr>
</tbody>
</table>

Class of Station:

On January 6, 2020 SpaceX Services, Inc. was granted special temporary authority, beginning January 6, 2020 for 60 days, to operate its fixed earth stations located in Loring, ME 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. Orbit raising operations are limited to center frequencies 13925 MHz (Earth-to-space) and 12221 MHz (space-to-Earth). Payload test operations are permitted in frequency bands: 14000-14500 MHz (Earth-to-space), 10700-12700 MHz (space-to-Earth), 28350-29100 MHz and 29500-30000 MHz (Earth-to-space), 17800-18600 MHz, 18800-19300 MHz (space-to-Earth), 19700-20200 MHz (space-to-Earth).
On January 6, 2020 SpaceX Services, Inc. was granted STA, beginning January 6, 2020 for 60 days, to operate its fixed earth stations located in Conrad, MT 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. Orbit raising operations are limited to center frequencies 13925 MHz (Earth-to-space) and 12221 MHz (space-to-Earth). Payload test operations are permitted in frequency bands: 14000-14500 MHz (Earth-to-space), 10700-12700 MHz (space-to-Earth); 28350-29100 MHz and 29500-30000 MHz (Earth-to-space), 17800-18600 MHz, 18800-19300 MHz (space-to-Earth), 19700-20200 MHz (space-to-Earth).

On January 6, 2020 SpaceX Services, Inc. was granted special temporary authority, beginning January 6, 2020 for 60 days, to operate its fixed earth station located in Redmond WA 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. Orbit raising operations are limited to center frequencies 13925 MHz (Earth-to-space) and 12221 MHz (space-to-Earth). Payload test operations are permitted in frequency bands: 14000-14500 MHz (Earth-to-space), 10700-12700 MHz (space-to-Earth); 28350-29100 MHz and 29500-30000 MHz (Earth-to-space), 17800-18600 MHz, 18800-19300 MHz (space-to-Earth), 19700-20200 MHz (space-to-Earth).

On December 31, 2019, Intelsat License LLC ("Intelsat") is granted special temporary authority, for 30 days, beginning December 31, 2019 to operate 13.1 meter C-band antenna located in Hagerstown, Maryland to conduct antenna verification testing with Intelsat 29E (S2913) satellite at the 50 W orbital location in the 5850-6725 MHz (Earth-to-space) and 3400-4200 MHz (space-to-Earth) frequency bands.

On January 6, 2020, Hawaii Pacific Teleport, L.P., was granted special temporary authority for 60 days, beginning January 6, 2020, to operate its fixed earth station in Rota, Northern Mariana Islands, with the JSAT 2B satellite at the 154 E.L. orbital location in the 4092-4128 MHz (space-to-Earth), and 6317-6353 MHz (Earth-to-space) frequency bands.
On January 6, 2020, Hawaii Pacific Teleport, L.P. was granted special temporary authority for 60 days, beginning January 6, 2020, to operate its fixed earth station in Pullantat, Guam to communicate with the JSAT2B satellite at the 154° E.L. orbital location in the 5850-6058 MHz, 6099-6117 MHz and 6159-6425 MHz (Earth-to-space), and 3645-4200 MHz (space-to-Earth) frequency bands.

Points of Communication:

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On December 31, 2019, Intelsat License LLC was granted special temporary authority for 60 days, beginning December 31, 2019 to operate its fixed earth station in Ellenwood, GA to provide telemetry, tracking, and command (“TT&C”) services for the Galaxy 11 satellite (S2253) at the 93.1 W.L. orbital location on center frequencies: 14000.5 MHz and 14498.5 MHz (Earth-to-space), and 11701.0 MHz and 11702.0 MHz (space-to-Earth).

Points of Communication:

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On December 31, 2019, Intelsat License LLC (“Intelsat”) was granted special temporary authority for 30 days, beginning December 31, 2019, to operate its Hagerstown, Maryland C-band earth station to provide telemetry, tracking, and command (“TT&C”) services for Intelsat 901 (S2405) prior to, during, and after its docking mission with MEV-1 (Call Sign S2990). Intelsat will provide TT&C services to Intelsat 901 during (1) the spacecraft's orbit raising to 300 km above geostationary arc; (2) the spacecraft's docking with MEV-1 at 300 km above the geostationary arc; and (3) the drift as a combined vehicle stack (“CVS”) with MEV-1 from 300 km above the geostationary arc to 27.5° W.L. on the geostationary arc. TT&C operations will be on the following center frequencies: 6173.7 MHz, and 6176.3 MHz (Earth-to-space); and 3947.50 MHz, 3948.00 MHz, 3952.00 MHz, 3952.50 MHz (space-to-Earth).

Points of Communication:

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On December 31, 2019, Intelsat License LLC (“Intelsat”) was granted special temporary authority for 30 days, beginning December 31, 2019, to operate its Ellenwood, Georgia C-band earth station to provide telemetry, tracking, and command (“TT&C”) services for Intelsat 901 (S2405) prior to, during, and after its docking mission with MEV-1 (Call Sign S2990). Intelsat will provide TT&C services to Intelsat 901 during (1) the spacecraft's orbit raising to 300 km above geostationary arc; (2) the spacecraft's docking with MEV-1 at 300 km above the geostationary arc; and (3) the drift as a combined vehicle stack (“CVS”) with MEV-1 from 300 km above the geostationary arc to 27.5° W.L. on the geostationary arc. TT&C operations will be on the following center frequencies: 6173.7 MHz, and 6176.3 MHz (Earth-to-space); and 3947.50 MHz, 3948.00 MHz, 3952.00 MHz, 3952.50 MHz (space-to-Earth).
On December 31, 2019, Intelsat License LLC ("Intelsat") was granted special temporary authority for 30 days, beginning December 31, 2019, to operate its Fillmore, California C-band earth station to provide telemetry, tracking, and command ("TT&C") services for Intelsat 901 (S2405) prior to, during, and after its docking mission with MEV-1 (Call Sign S2990). Intelsat will provide TT&C services to Intelsat 901 during (1) the spacecraft's orbit raising to 300 km above geostationary arc; (2) the spacecraft's docking with MEV-1 at 300 km above the geostationary arc; and (3) the drift as a combined vehicle stack ("CVS") with MEV-1 from 300 km above the geostationary arc to 27.5° W.L. on the geostationary arc. TT&C operations will be on the following center frequencies: 6173.7 MHz, and 6176.3 MHz (Earth-to-space); and 3947.50 MHz, 3948.00 MHz, 3952.00 MHz, 3952.50 MHz (space-to-Earth).

Points of Communication:

On December 31, 2019, Intelsat License LLC ("Intelsat") was granted special temporary authority for 30 days, beginning December 31, 2019, to operate its Riverside, California C-band earth station to provide telemetry, tracking, and command ("TT&C") services for Intelsat 901 (S2405) prior to, during, and after its docking mission with MEV-1 (Call Sign S2990). Intelsat will provide TT&C services to Intelsat 901 during (1) the spacecraft's orbit raising to 300 km above geostationary arc; (2) the spacecraft's docking with MEV-1 at 300 km above the geostationary arc; and (3) the drift as a combined vehicle stack ("CVS") with MEV-1 from 300 km above the geostationary arc to 27.5° W.L. on the geostationary arc. TT&C operations will be on the following center frequencies: 6173.7 MHz, and 6176.3 MHz (Earth-to-space); and 3947.50 MHz, 3948.00 MHz, 3952.00 MHz, 3952.50 MHz (space-to-Earth).

Points of Communication:

On January 7, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning January 7, 2020, to operate its fixed earth station in Napa, CA, to conduct antenna verification testing with the Intelsat 30 (S2887) satellite at the 95.05º W.L. orbital location in the 6639.27 MHz (Earth-to-space) and 3614.27 MHz (space-to-Earth) frequency bands.
On January 6, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning January 6, 2020, to operate 50 Satcube, 0.42 meter, temporary fixed antennas, within the United States, with U.S. authorized Intelsat satellites in the 14.0-14.5 (Earth-to-space) and 11.7-12.2 (space-to-Earth) frequency bands.

On January 2, 2020, Intelsat License LLC (“Intelsat”) was granted a special temporary authority for 30 days, beginning January 03, 2019, to its 7.3m fixed earth station in Paumalu, HI to provide telemetry, tracking, and command (“TT&C”) services to the STPSat-4 satellite during launch and early orbit phase (“LEOP”), in-orbit testing (“IOT”), drift, and in its final orbit on the following center frequencies: 2109.75 MHz (Earth-to-space) and 2277.90 MHz (space-to-Earth).

On December 31, 2019, Intelsat License LLC (“Intelsat”) is granted special temporary authority for 30 days, beginning December 31, 2019, to operate its Fillmore, California C-band earth station to provide telemetry, tracking, and command (“TT&C”) services for Intelsat 901 (S2405) prior to, during, and after its docking mission with MEV-1 (Call Sign S2990). Intelsat will provide TT&C services to Intelsat 901 during (1) the spacecraft’s orbit raising to 300 km above geostationary arc; (2) the spacecraft’s docking with MEV-1 at 300 km above the geostationary arc; and (3) the drift as a combined vehicle stack (“CVS”) with MEV-1 from 300 km above the geostationary arc to 27.5° W.L. on the geostationary arc. TT&C operations will be on the following center frequencies: 6173.7 MHz, and 6176.3 MHz (Earth-to-space); and 3947.50 MHz, 3948.00 MHz, 3952.00 MHz, 3952.50 MHz (space-to-Earth).
For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.