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

---

**SES-MOD-20180604-01206**

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**SITE ID:** 1  
**LOCATION:** 730 N. SUMMIT, LUCAS, TOLEDO, OH  
41 ° 39 ' 10.20 " N LAT.  
83 ° 31 ' 56.80 " W LONG.  
**ANTENNA ID:** 4.5M.  
4.5 meters  
ANDREW CORP  
ESA45-46A  
3700.0000 - 4200.0000 MHz  
36M0G7F  
Digital traffic, various FEC, modulations and data rates  
3700.0000 - 4200.0000 MHz  
36M0F8F  
Video Carrier  
Points of Communication:  
1 - PERMITTED LIST - ()

---

**SES-MOD-20180604-01207**

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**SITE ID:** E000425  
**LOCATION:** Fox Broadcasting Company  
3700.0000 - 4200.0000 MHz  
36M0G7F  
Digital traffic, various FEC, modulations and data rates  
3700.0000 - 4200.0000 MHz  
36M0F8F  
Video Carrier  
Points of Communication:  
1 - PERMITTED LIST - ()
SITE ID: 1
LOCATION: 19 BROADCAST PLAZA 635 WEST 7TH STREET, HAMILTON, CINCINNATI, OH
39 ° 6 ' 7.20 " N LAT. 84 ° 31 ' 27.80 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP. ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES–MOD–20180604–01208 E E000405 Fox Broadcasting Company
Application for Modification
Grant of Authority
Date Effective: 01/29/2019

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

SITE ID: 1
LOCATION: 3030 SUMMIT ROAD, JACKSON, KANSAS CITY, MO
39 ° 4 ' 19.00 " N LAT. 94 ° 35 ' 51.00 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP. ESA45-46A

3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier

3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

Points of Communication:

1 - PERMITTED LIST - ()

SES–MOD–20180604–01209 E E000403 Fox Broadcasting Company
Application for Modification
Grant of Authority
Date Effective: 01/29/2019

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

SITE ID: 1
LOCATION: 501 BUSINESS LOOP 70 EAST, BOONE, COLUMBIA, MO
38 ° 57 ' 54.20 " N LAT. 92 ° 19 ' 52.70 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP. ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates
Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01120  E  E000613  Fox Broadcasting Company
Application for Modification 09/19/2010 - 09/19/2025
Grant of Authority Date Effective: 01/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1359 BEECH SPRINGS RD., LEE, TUPELO, MS
34 ° 19' 25.30 " N LAT. 88 ° 42' 45.60 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP. ESA45-46A

3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier

3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20180604-01121  E  E000608  Fox Broadcasting Company
Application for Modification 09/19/2010 - 09/19/2025
Grant of Authority Date Effective: 01/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 14351 HWY 49 NORTH, HARRISON, BILOXI, MS
30 ° 29' 41.70 " N LAT. 89 ° 6' 22.10 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP. ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 849 WASHINGTON AVENUE (WABG), WASHINGTON, GREENVILLE, MS
33 ° 24 ’ 26.60 “ N LAT. 91 ° 3 ’ 16.20 “ W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP. ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1151 CRESTVIEW CIRCLE, LAUDERDALE, MERIDIAN, MS
32 ° 19 ’ 39.40 “ N LAT. 88 ° 41 ’ 31.90 “ W LONG.

ANTENNA ID: 4.5M. 4.5 meters ANDREW CORP. ESA45-46A

3700.0000 - 4200.0000 MHz 36M0G7F Digital traffic, various FEC, modulations and data rates

3700.0000 - 4200.0000 MHz 36M0F8F Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
SITE ID: 1
LOCATION: 110 India Road, Henry, Paris, TN
36 ° 18 ' 51.00 " N LAT. 88 ° 17 ' 37.00 " W LONG.

ANTENNA ID: 1 4.5 meters  Dawnco  TVRO-4.5
3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Analog and Digital Audio and Video modulation with subcarriers

Points of Communication:

1 - PERMITTED LIST - ()

Registration  05/31/2018 - 05/31/2033
Grant of Authority  Date Effective: 01/03/2019
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 402 Cypress St., Taylor, Abilene, TX
32 ° 27 ' 10.70 " N LAT. 99 ° 44 ' 4.14 " W LONG.

ANTENNA ID: 2 3.8 meters  Prodelin  3.8
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Audio and Video signals

ANTENNA ID: 1 3.8 meters  Patriot  3.8
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Audio and Video signals

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180614–01504  E  E180876  Massillon Cable TV, Inc.
Registration  06/14/2018 - 06/14/2033
Grant of Authority  Date Effective: 01/28/2019
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Township Highway 263, Jefferson, BERGHOLZ, OH
40 ° 30 ' 27.90 " N LAT. 80 ° 53 ' 9.50 " W LONG.

ANTENNA ID: 4.2DH  4.2 meters  DH  4.2 meter
3700.0000 - 4200.0000 MHz  36M0G7W  Digital

Points of Communication:
<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>Points of Communication</th>
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<tbody>
<tr>
<td>SES-REG-20180705-02025</td>
<td>E181261</td>
<td>VCY America Inc</td>
<td>Fixed Earth Stations</td>
<td>1</td>
<td>1605 Tower Drive Road (Millie Hill), Dickinson, Iron Mountain, MI</td>
<td>DH1 3.9 meters Design Home 39</td>
<td>3700.0000 - 4200.0000 MHz 30M0G7W Digital Audio</td>
</tr>
<tr>
<td>SES-REG-20180705-02097</td>
<td>E181301</td>
<td>Resources Management Unlimited, Inc.</td>
<td>Fixed Earth Stations</td>
<td>1</td>
<td>802 Calhoun Street, Ross, Chillicothe, MO</td>
<td>3.8M. 3.8 meters Comtech 3.8M.</td>
<td>3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates and modulations</td>
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<tr>
<td>SES-REG-20180706-02026</td>
<td>E181262</td>
<td>Saga Communications of New England, LLC</td>
<td>Fixed Earth Stations</td>
<td>1</td>
<td>500 North Commercial St. Suite 501, Hillsborough, Manchester, NH</td>
<td></td>
<td></td>
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</table>
Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180706–02027  E181263  Franklin Communications, Inc.
Registration
Grant of Authority
Date Effective: 01/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 403 E. Rensselaer St. (WBCO), Crawford, Bucyrus, OH
40 ° 48' 26.40" N LAT. 82 ° 58' 13.80" W LONG.

ANTENNA ID: WBCO 3.8 meters Comtech 3.8 M.

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

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180706–02030  E181266  Saga Communications of Tuckessee, LLC
Registration
Grant of Authority
Date Effective: 01/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1640 Old Russellville Pike (WKFN), Montgomery, Clarksville, TN
36 ° 32' 32.20" N LAT. 87 ° 19' 34.20" W LONG.

ANTENNA ID: WKFN 3.7 meters Dawnco D37F48

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180706–02031  E181267  Saga Quad States Communications, LLC
Registration
Grant of Authority
Date Effective: 01/29/2019

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

SITE ID: 1
LOCATION: 2294 Clements Ferry Rd. (WSPO), Berkeley, Charleston, SC
32° 54' 20.30" N LAT.  79° 54' 38.60" W LONG.

ANTENNA ID: WSPO  3.8 meters  Comtech  3.8 M.

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180706–02032  E181268  Saga Communications of New England, LLC
Registration 07/05/2018 - 07/05/2033
Grant of Authority Date Effective: 01/28/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 69 Stanhope Avenue (WKNE), Cheshire, Keene, NH
42° 56' 43.60" N LAT.  72° 18' 40.20" W LONG.

ANTENNA ID: WKNE  3.8 meters  Comtech  3.8 Meter

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180706–02033  E181269  Saga Communications of Illinois, LLC
Registration 07/05/2018 - 07/05/2033
Grant of Authority Date Effective: 01/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2603 W. Bradley Ave. (WLRW), Champaign, Champaign, IL
40° 7' 36.80" N LAT.  88° 17' 25.80" W LONG.

ANTENNA ID: WLRW  3.7 meters  DH  37DH460A

3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital audio and data

3700.0000 - 4200.0000 MHz  36M0F8W  0.00 dBW  Analog audio
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<th>Grant of Authority</th>
<th>Date Effective:</th>
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</thead>
<tbody>
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<td>SES–REG–20180706–02056</td>
<td>07/06/2018 - 07/06/2033</td>
<td>01/28/2019</td>
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<tr>
<td>E181284</td>
<td>Pax et Bonum, Inc.</td>
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</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 105 Kenwood Ave., Albany, Bethlehem, NY

42° 37' 21.00" N LAT. 73° 48' 9.00" W LONG.

**ANTENNA ID:** Bethlehem 3.8 meters unknown 3.8M.

3700.0000 - 4200.0000 MHz 36M0G7W NULL

**Points of Communication:**

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<th>Grant of Authority</th>
<th>Date Effective:</th>
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<td>07/05/2018 - 07/05/2033</td>
<td>01/28/2019</td>
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<td>E181285</td>
<td>Franklin Communications, Inc.</td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 4401 Carriage Hill Lane (WSNY), Franklin, Columbus, OH

40° 2' 49.70" N LAT. 83° 3' 40.70" W LONG.

**ANTENNA ID:** ANT1 3.8 meters Comtech 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

3700.0000 - 4200.0000 MHz 36M0F8W 0.00 dBW Analog Audio

**Points of Communication:**

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<th>Grant of Authority</th>
<th>Date Effective:</th>
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<td>E181286</td>
<td>Lakefront Communications, LLC</td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
SITE ID: 1
LOCATION: 5407 W. McKinley Ave. (WKLH), Milwaukee, Milwaukee, WI
43 ° 2 ' 48.50 " N LAT. 87 ° 58 ' 51.60 " W LONG.

ANTENNA ID: ANTI 3.8 meters Patriot 3.8 meter
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio
3700.0000 - 4200.0000 MHz 36M0F8W 0.00 dBW Analog Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180706–02086 E181296 Citizen Potawatomi Nation
Registration 07/06/2018 - 07/06/2033
Grant of Authority Date Effective: 01/29/2019

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

SITE ID: 1
LOCATION: 1570 S. Gordon Cooper Drive (KGFF Radio Studios), Pottawatomie, Shawnee, OK
35 ° 18 ' 9.10 " N LAT. 96 ° 55 ' 41.90 " W LONG.

ANTENNA ID: 1 3.7 meters Comtech 1374
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Data/Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180706–02095 E181299 Carroll Broadcasting Co., Inc.
Registration 07/06/2018 - 07/06/2033
Grant of Authority Date Effective: 01/29/2019

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

SITE ID: SITE 1
LOCATION: 1119 East Plaza Drive, Carroll, Carroll, IA
42 ° 3 ' 0.89 " N LAT. 94 ° 50 ' 0.99 " W LONG.

ANTENNA ID: ANT 1 3.8 meters COMTECH CASI 3.8 METER
3700.0000 - 4200.0000 MHz 30M0F8F DVBS DIGITAL

Points of Communication:

SITE 1 - PERMITTED LIST - ()
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<th>SES–REG–20180706–02098</th>
<th>E181302</th>
<th>S &amp; T Communications LLC</th>
<th>07/06/2018 - 07/06/2033</th>
<th>01/29/2019</th>
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<td><strong>Grant of Authority</strong></td>
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<td><strong>Nature of Service:</strong></td>
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<td><strong>SITE ID:</strong></td>
<td>Site 1</td>
<td><strong>LOCATION:</strong></td>
<td>320 Kansas Ave, USA, Brewster, KS</td>
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<td>39 ° 21 ’ 47.40 “ N LAT.</td>
<td>101 ° 22 ’ 38.80 “ W LONG.</td>
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<td><strong>ANTENNA ID:</strong></td>
<td>ANT1</td>
<td><strong>4.5 meters</strong></td>
<td>Scientific-Atlanta Inc</td>
<td>8345</td>
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<td><strong>3700.0000 - 4200.0000 MHz</strong></td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
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<td><strong>ANTENNA ID:</strong></td>
<td>ANT2</td>
<td><strong>2.8 meters</strong></td>
<td>Scientific-Atlanta Inc</td>
<td>9000 Series</td>
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<td><strong>3700.0000 - 4200.0000 MHz</strong></td>
<td>36M0G7W</td>
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<td><strong>Points of Communication:</strong></td>
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<td>Site 1 - PERMITTED LIST - ()</td>
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<tr>
<th>SES–REG–20180709–02053</th>
<th>E181281</th>
<th>Kansas Nebraska Good News Broadcasting Corporation</th>
<th>07/06/2018 - 07/06/2033</th>
<th>01/29/2019</th>
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<td><strong>Class of Station:</strong></td>
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<td><strong>Grant of Authority</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>
<td>1</td>
<td><strong>LOCATION:</strong></td>
<td>38005 Road 717, Red Willow, McCook, NE</td>
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<tr>
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<td></td>
<td>40 ° 13 ’ 15.70 “ N LAT.</td>
<td>100 ° 43 ’ 17.90 “ W LONG.</td>
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<td><strong>ANTENNA ID:</strong></td>
<td>McCook</td>
<td><strong>3.8 meters</strong></td>
<td>Comtech</td>
<td>3.8METER</td>
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<td><strong>3700.0000 - 4200.0000 MHz</strong></td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
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<td>1 - PERMITTED LIST - ()</td>
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<td><strong>Class of Station:</strong></td>
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<td><strong>Nature of Service:</strong></td>
<td>Fixed Satellite Service</td>
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</table>
SITE ID: 1
LOCATION: 606 Young Street, Dallas, Dallas, TX
32°35’16.60” N LAT. 96°58’36.10” W LONG.

ANTENNA ID: 4.5M. 4.5 meters COMMSCOPE ESA45MPJ-1

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180709–02055  E181283 Five Forty Broadcasting Company LLC
Registration 07/09/2018 - 07/09/2033
Grant of Authority Date Effective: 01/28/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1846 Skyland Drive, Jackson, Sylva, NC
35°23’37.80” N LAT. 83°11’39.00” W LONG.

ANTENNA ID: 4.5M. 4.5 meters Comtech 4.5M.

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180709–02066  E181290 Salem Communications Holding Corporation
Registration 07/09/2018 - 07/09/2033
Grant of Authority Date Effective: 01/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5757 Blue Lagoon Drive, Suite 450, Miami-Dade, MIAMI, FL
25°46’59.70” N LAT. 80°17’26.70” W LONG.

ANTENNA ID: 3.8D& 3.8 meters D&H 38DH460A

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

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

SITE ID: 1
LOCATION: 601 GOLF STREET, SANDERS, THOMPSONFALL, MT
LAT.: 47° 35' 41.70" N
LONG.: 115° 19' 18.50" W
ANTENNA ID: 3.7DH
3.7 meters DH Satellite 3.7M.
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Carrier

Points of Communication:
1 - PERMITTED LIST - ()

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

SITE ID: 1
LOCATION: 500 Esplandade Dr. Suite #1500, Ventura, OXNARD, CA
LAT.: 34° 13' 44.10" N
LONG.: 119° 10' 19.40" W
ANTENNA ID: 3.7Da
3.7 meters Dawnco F-48-4pc-5.5
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Carrier

Points of Communication:
1 - PERMITTED LIST - ()

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

SITE ID: SITE 1
LOCATION: 3013 Earl Campbell Parkway, USA, Tyler, TX
LAT.: 32° 19' 49.60" N
LONG.: 95° 20' 7.50" W
ANTENNA ID: West 3.7 meters DawnCo D37
### Points of Communication:

**SITE 1 - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>Registration</th>
<th>E181243</th>
<th>CCI SYSTEMS, INC.</th>
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<td>Grant of Authority</td>
<td>07/05/2018 - 07/05/2033</td>
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</table>

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

| SITE ID: | 1 |
| LOCATION: | N Linden Ave, Price, Fifield, WI |
| LAT.: | 44 ° 52 ' 44.31 '' |
| LONG.: | 90 ° 25 ' 25.57 '' |

**ANTENNA ID:** 1  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** 36M0G7W

### Points of Communication:

**SITE 2 - PERMITTED LIST - ()**

<table>
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<tr>
<th>Registration</th>
<th>E181589</th>
<th>ARRIS Enterprises LLC</th>
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<td>Grant of Authority</td>
<td>07/18/2018 - 07/18/2033</td>
<td></td>
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</tbody>
</table>

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

| SITE ID: | 1 |
| LOCATION: | 900 Chelmsford St T3-3, Middlesex, Lowell, MA |
| LAT.: | 42 ° 36 ' 50.70 '' |
| LONG.: | 71 ° 19 ' 31.40 '' |

**ANTENNA ID:** 1  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** 36M0G7W

**ANTENNA ID:** 2  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** 36M0G7W

**ANTENNA ID:** 3  
**Frequency:** 3700.0000 - 4200.0000 MHz  
**Gain:** 36M0G7W

**SITE ID: 2**

**LOCATION:** 3701 FAU Blvd, Palm Beach, Boca Raton, FL  
LAT.: 26 ° 23 ' 2.60 ''  
LONG.: 80 ° 5 ' 55.10 ''
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Height (m)</th>
<th>ID</th>
<th>TYPE</th>
<th>LOCATION</th>
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<tbody>
<tr>
<td>4</td>
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<td>6450 Sequence Drive, San Diego, CA 32°54'.31.50&quot;N</td>
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<tr>
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<td>6450 Sequence Drive, San Diego, CA 32°54'.31.50&quot;N</td>
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<tr>
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<td>6450 Sequence Drive, San Diego, CA 32°54'.31.50&quot;N</td>
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<tr>
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<td>36M0G7W</td>
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<tr>
<td>11</td>
<td>3.7</td>
<td>Prodelin</td>
<td>2450/2500 Walsh Avenue, Santa Clara, CA 37°22'.8.50&quot;N</td>
<td>36M0G7W</td>
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<tr>
<td>12</td>
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<td>Challenger</td>
<td>2450/2500 Walsh Avenue, Santa Clara, CA 37°22'.8.50&quot;N</td>
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<td>2450/2500 Walsh Avenue, Santa Clara, CA 37°22'.8.50&quot;N</td>
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</tr>
</tbody>
</table>
3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

ANTENNA ID: 15 1.8 meters unknown unknown

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

ANTENNA ID: 16 1.2 meters unknown unknown

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

ANTENNA ID: 17 3.2 meters KTI (Kaul Tronics Inc) mesh style

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

ANTENNA ID: 18 3.2 meters Winegard mesh style

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

ANTENNA ID: 19 2.4 meters unknown unknown

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

SITE ID: 5
LOCATION: 101 Tournament Drive, Montgomery, Horsham, PA
40° 12' 6.50" N LAT. 75° 9' 42.50" W LONG.

ANTENNA ID: 20 3 meters Comtech 3.0 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

ANTENNA ID: 21 3.8 meters Comtech 3.8 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

ANTENNA ID: 22 5 meters DH Satellite Gibraltar

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

SITE ID: 6
LOCATION: 3871 Lakefield Drive, Forsyth, Suwanee, GA
34° 3' 52.10" N LAT. 84° 9' 16.00" W LONG.

ANTENNA ID: 23 3 meters Prodelin Series 1304

3700.0000 - 4200.0000 MHz 36M0G7W Broadcast TV reception

Points of Communication:

1 - PERMITTED LIST - ()
2 - PERMITTED LIST - ()
3 - PERMITTED LIST - ()
<table>
<thead>
<tr>
<th>Registration</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Modulation and Services</th>
<th>Points of Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES–REG–20180718–02558</td>
<td>07/18/2018 - 07/18/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>514 N JFK Ave, Martin, Loogootee, IN</td>
<td>D37</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Dawnco</td>
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<tr>
<td></td>
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<td>38 ° 40 ' 53.00 &quot; N LAT.</td>
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<td>36M0G7W 0.00 dBW</td>
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<td>86 ° 55 ' 0.00 &quot; W LONG.</td>
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<td>Modulation and Services Digital Audio</td>
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<tr>
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<table>
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<th>Registration</th>
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<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Modulation and Services</th>
<th>Points of Communication</th>
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<tbody>
<tr>
<td>SES–REG–20180720–02488</td>
<td>07/20/2018 - 07/20/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
<td>1</td>
<td>1710 East 20th Street, Scottsbluff, Scottsbluff, NE</td>
<td>PRT380AZ</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Patriot</td>
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<tr>
<td></td>
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<td></td>
<td>41 ° 51 ' 57.00 &quot; N LAT.</td>
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<td>30M0G7W 0.00 dBW</td>
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<td>103 ° 38 ' 28.00 &quot; W LONG.</td>
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<td>Analog and Digital Video with associated sub-carriers</td>
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<table>
<thead>
<tr>
<th>Registration</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
<th>SITE ID</th>
<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Modulation and Services</th>
<th>Points of Communication</th>
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</thead>
<tbody>
<tr>
<td>SES–REG–20180724–02099</td>
<td>07/05/2018 - 07/05/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<td></td>
<td></td>
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</tbody>
</table>
SITE ID: 1
LOCATION: 4131 Barbara Loop Suite 202, Sandoval, Rio Rancho, NM
35 ° 14 ’ 6.80 ” N LAT. 106 ° 39 ’ 11.40 ” W LONG.

ANTENNA ID: 3.0M. 3 meters Prodelin 3.0M.

3700.0000 - 4200.0000 MHz 36M0G7W digital data: various FEC, data rates and modulation

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180808–03334 E181954 Hall Communications, Inc.
Registration 08/08/2018 - 08/08/2033
Grant of Authority Date Effective: 01/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 75 Oxford St (WCTK Studio), Providence, Providence, RI
41 ° 48 ’ 14.24 ” N LAT. 71 ° 24 ’ 17.00 ” W LONG.

ANTENNA ID: ANTI 3.8 meters Comtech 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180809–03133 E181924 Comcast Cable Communications Management, LLC
Registration 08/08/2018 - 08/08/2033
Grant of Authority Date Effective: 01/03/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 550 W 22nd Street, Roosevelt, Portales, NM
34 ° 9 ’ 48.00 ” N LAT. 103 ° 20 ’ 20.00 ” W LONG.

ANTENNA ID: 1 5 meters Andrew 5 Meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 3.8 meters Comtech 945 6446

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 3 3.8 meters Comtech 945 7573 16
<table>
<thead>
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<th>Site ID</th>
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<th>LOCATION:</th>
<th>LAT:</th>
<th>LONG:</th>
<th>Class of Station:</th>
<th>Antenna ID</th>
<th>Frequency Range</th>
<th>Nature of Service:</th>
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<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1026 S. 2nd Street, Colfax, Raton, NM</td>
<td>36° 54' 31.00&quot;</td>
<td>104° 27' 59.00&quot;</td>
<td>Fixed Earth Stations</td>
<td>1</td>
<td>3 meters</td>
<td>Patriot</td>
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<tr>
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<td></td>
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<td></td>
<td>3 meter</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<tr>
<td>2</td>
<td>2</td>
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<td></td>
<td></td>
<td>3.8 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>3.8 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td>3</td>
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<td></td>
<td></td>
<td>3.8 meters</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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</table>

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180809–03451 E182017 Comcast Cable Communications Management, LLC
Registration Grant of Authority
08/08/2018 - 08/08/2033 Date Effective: 01/28/2019

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

Points of Communication:
| SITE ID: | 1 |
|LOCATION: | 1175 N Cuyamaca st., San Diego, EL CAJON, CA |
| | 32° 48' 39.20" N LAT. 116° 58' 44.10" W LONG. |
| ANTENNA ID: | 1 |
| | 5 meters |
| | SCIENTIFIC-ATLANTA, INC |
| | 8008 5.0 METER |
| | 3700.0000 - 4200.0000 MHz |
| | 36M0G7W |
| | 0.00 dBW |
| | Digital Video Carrier |

**Points of Communication:**

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES–REG–20180821–03187</th>
<th>E181940 Cox Communications Louisiana, LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Registration</td>
<td>07/31/2018 - 07/31/2033</td>
</tr>
<tr>
<td>Grant of Authority</td>
<td>Date Effective: 01/03/2019</td>
</tr>
<tr>
<td>Class of Station:</td>
<td>Fixed Earth Stations</td>
</tr>
<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

| SITE ID: | 1 |
|LOCATION: | 340 Edwards Ave, Jefferson Parish, Harahan, LA |
| | 29° 56' 45.30" N LAT. 90° 11' 24.40" W LONG. |
| ANTENNA ID: | 1 |
| | 4.5 meters |
| | Andrew Corporation |
| | ESA45-4 |
| | 3700.0000 - 4200.0000 MHz |
| | 36M0G7W |
| | Digital Video Carrier |

**Points of Communication:**

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES–REG–20180821–03188</th>
<th>E181941 Cox Communications Louisiana, LLC</th>
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</thead>
<tbody>
<tr>
<td>Registration</td>
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<tr>
<td>Grant of Authority</td>
<td>Date Effective: 01/03/2019</td>
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<tr>
<td>Class of Station:</td>
<td>Fixed Earth Stations</td>
</tr>
<tr>
<td>Nature of Service:</td>
<td>Fixed Satellite Service</td>
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</tbody>
</table>

| SITE ID: | 1 |
|LOCATION: | 340 Edwards Ave, Jefferson Parish, Harahan, LA |
| | 29° 56' 45.20" N LAT. 90° 11' 24.20" W LONG. |
| ANTENNA ID: | 1 |
| | 4.5 meters |
| | Andrew Corporation |
| | ESA45-4 |
| | 3700.0000 - 4200.0000 MHz |
| | 36M0G7W |
| | Digital Video Carrier |
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 340 Edwards Ave, Jefferson Parish, Harahan, LA
29 ° 56 ' 45.50 " N LAT. 90 ° 11 ' 24.80 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-4
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:
1 - PERMITTED LIST - ()

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

SITE ID: 1
LOCATION: 340 Edwards Ave, Jefferson Parish, Harahan, LA
29 ° 56 ' 45.80 " N LAT. 90 ° 11 ' 25.10 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-4
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:
1 - PERMITTED LIST - ()

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

SITE ID: 1
LOCATION: 41107 Hwy 621, Ascension Parish, Gonzales, LA
30 ° 16 ' 9.00 " N LAT. 90 ° 55 ' 5.80 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corporation ESA45-4
Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20180821–03193**  
Registration: E181946  
Grant of Authority: Cox Communications Louisiana, LLC  
08/01/2018 - 08/01/2033  
Date Effective: 01/03/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1  
LOCATION: 41107 Hwy 621, Ascension Parish, Gonzales, LA  
30° 16' 8.50" N LAT.  
90° 55' 5.60" W LONG.

ANTENNA ID: 1  
DAWNCo  
DH/DH42GAE-8P  
4.2 meters

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20180821–03194**  
Registration: E181947  
Grant of Authority: Cox Communications Louisiana, LLC  
08/01/2018 - 08/01/2033  
Date Effective: 01/03/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1  
LOCATION: 41107 Hwy 621, Ascension Parish, Gonzales, LA  
30° 16' 7.90" N LAT.  
90° 55' 4.80" W LONG.

ANTENNA ID: 1  
Andrew Corporation  
8008  
5 meters

3700.0000 - 4200.0000 MHz  
36M0G7W  
Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20180822–03192**  
Registration: E181945  
Grant of Authority: Bible Broadcasting Network, Inc.  
08/22/2018 - 08/22/2033  
Date Effective: 01/03/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
SITE ID: 1
LOCATION: 1609 Conwell Ave., Huron, Willard, OH
41° 2’ 6.30” N LAT. 82° 42’ 48.80” W LONG.

ANTENNA ID: 1 3 meters Prodelin 1304-990

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

Registration 08/22/2018 - 08/22/2033
Grant of Authority Date Effective: 01/03/2019

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

SITE ID: 1
LOCATION: 18754 Robinsonville Rd., Sussex, Belltown, DE
38° 43’ 30.80” N LAT. 75° 10’ 56.10” W LONG.

ANTENNA ID: 1 3 meters Channel Master 6346-6969

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

Registration 08/22/2018 - 08/22/2033
Grant of Authority Date Effective: 01/28/2019

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

SITE ID: 1
LOCATION: .45 mi. W of Ave 30 & 56th St., Buffalo, Kearney, NE
40° 43’ 36.60” N LAT. 99° 7’ 48.70” W LONG.

ANTENNA ID: 1 3 meters Channel Master 6346-6969

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

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

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1.6 km S of S Loop 286 on CR 11300, Lamar, Paris, TX
33° 36’ 58.90” N LAT. 95° 32’ 49.60” W LONG.

ANTENNA ID: 1 3 meters Channel Master 6346-6969

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 621 Claude Rd., Hall, Grand Island, NE
40° 54’ 50.00” N LAT. 98° 23’ 8.20” W LONG.

ANTENNA ID: 1 3 meters Channel Master 6346-6969

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 146 North Shields Lane, Adams, Natchez, MS
31° 32’ 47.20” N LAT. 91° 22’ 31.90” W LONG.

ANTENNA ID: 1 3 meters Channel Master 6346-6969
Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20180822–03471**

Registration

| Grant of Authority | Bible Broadcasting Network, Inc. | 08/22/2018 - 08/22/2033 |

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 2470 Horton Rd., Chautauqua, Jamestown, NY

42°7'52.00" N LAT. 79°13'12.20" W LONG.

ANTENNA ID: 1

Scientific Atlanta 9000

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20180822–03475**

Registration

| Grant of Authority | Bible Broadcasting Network, Inc. | 08/22/2018 - 08/22/2033 |

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: Decker Ave Power Pole J26630, Cambria, Johnstown, PA

40°22'16.30" N LAT. 78°58'56.20" W LONG.

ANTENNA ID: 1

Channel Master 6346-6969

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20180822–03477**

Registration

| Grant of Authority | Bible Broadcasting Network, Inc. | 08/22/2018 - 08/22/2033 |

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data
SITE ID: 1
LOCATION: 401 Kye St., Angelina, Lufkin, TX
31° 20' 5.90" N LAT. 94° 40' 10.90" W LONG.

ANTENNA ID: 1 3 meters Channel Master 6346-6969
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

Registration 08/22/2018 - 08/22/2033
Grant of Authority Date Effective: 01/28/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4515 Moulton St., Hunt, Greenville, TX
33° 7' 24.00" N LAT. 96° 5' 47.80" W LONG.

ANTENNA ID: 1 3 meters Channel Master 6346-6969
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()

Registration 08/22/2018 - 08/22/2033
Grant of Authority Date Effective: 01/29/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 36 Bowsertown Rd., Dare, Manteo, NC
35° 53' 59.00" N LAT. 75° 40' 35.20" W LONG.

ANTENNA ID: 1 3 meters Channel Master 6346-6969
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital audio and data

Points of Communication:

1 - PERMITTED LIST - ()
<table>
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<th>Date Effective</th>
<th>Class of Station</th>
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<th>Date Effective</th>
</tr>
</thead>
</table>

### CLASS OF STATION: Fixed Earth Stations

### Nature of Service: Fixed Satellite Service

#### SITE ID: 1

### LOCATION:

865 Mananita Court, USA, Chico, CA

39° 45' 6.90" N LAT.  
121° 50' 35.80" W LONG.

#### ANTENNA ID: tvro-4.5

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

#### Points of Communication:

1 - PERMITTED LIST - ()

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<table>
<thead>
<tr>
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<th>Date Effective</th>
<th>Class of Station</th>
<th>Date Effective</th>
<th>Class of Station</th>
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### CLASS OF STATION: Fixed Earth Stations

### Nature of Service: Fixed Satellite Service

#### SITE ID: 1

### LOCATION:

HWY99 at 17th St, Blair, Altoona, PA

40° 29' 18.70" N LAT.  
78° 21' 19.30" W LONG.

#### ANTENNA ID: ASC Signal

3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Audio

#### Points of Communication:

1 - PERMITTED LIST - ()

---

<table>
<thead>
<tr>
<th>Registration</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Date Effective</th>
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<th>Date Effective</th>
<th>Class of Station</th>
<th>Date Effective</th>
</tr>
</thead>
</table>

### CLASS OF STATION: Fixed Earth Stations

### Nature of Service: Fixed Satellite Service

#### SITE ID: 1

### LOCATION:

4891 Co Rd HH, Door, Sturgeon Bay, WI

44° 54' 25.00" N LAT.  
87° 22' 17.00" W LONG.

#### ANTENNA ID: ASC Signal

2.4 meters  
2.4 Meter

---
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–20180824–03428</td>
<td>08/24/2018 - 08/24/2033</td>
<td>01/29/2019</td>
</tr>
<tr>
<td>SES–REG–20180827–03469</td>
<td>08/21/2018 - 08/21/2033</td>
<td>01/28/2019</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1049 W. Central Avenue, Missoula, Missoula, MT
46 ° 51 ' 0.00 " N LAT. 114 ° 0 ' 52.20 " W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Size</th>
<th>Location</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.1 meters</td>
<td>Patriot</td>
<td>PRT-310</td>
</tr>
<tr>
<td>2</td>
<td>3.7 meters</td>
<td>Prodelin</td>
<td>Unknown</td>
</tr>
<tr>
<td>3</td>
<td>3.7 meters</td>
<td>DH</td>
<td>37DH4</td>
</tr>
<tr>
<td>5</td>
<td>4.5 meters</td>
<td>DH</td>
<td>45DH1</td>
</tr>
<tr>
<td>6</td>
<td>4.6 meters</td>
<td>Vertex</td>
<td>4.6 KPC/KPK</td>
</tr>
<tr>
<td>7</td>
<td>4.6 meters</td>
<td>Andrew</td>
<td>ES45MPJ-1</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()
SITE ID: 1
LOCATION: 2291 Venter Road, King William, Aylett, VA
37° 45’ 22.90” N LAT. 77° 7’ 35.80” W LONG.

ANTENNA ID: 1 4.5 meters Scientific-Atlanta 8345

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

ANTENNA ID: 2 3.2 meters Scientific-Atlanta 9000

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180829–03426 E182009 Mainstreet Communications LLC
Registration 08/29/2018 - 08/29/2033
Grant of Authority Date Effective: 01/28/2019

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 831 Main St. S., Stearns, Sauk Centre, MN
45° 43’ 47.08” N LAT. 94° 57’ 3.14” W LONG.

ANTENNA ID: 1 4.5 meters Satellite Export & Engineering Patriot 4.5

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

ANTENNA ID: 2 4.5 meters Satellite Export & Engineering Patriot 4.5

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

ANTENNA ID: 3 4.5 meters Satellite Export & Engineering Patriot 4.5

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

ANTENNA ID: 4 4.5 meters Satellite Export & Engineering Patriot 4.5

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

ANTENNA ID: 5 4.5 meters Satellite Export & Engineering Patriot 4.5

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

ANTENNA ID: 6 4.5 meters Satellite Export & Engineering Patriot 4.5
### Points of Communication:

<table>
<thead>
<tr>
<th>Registration</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Antenna ID</th>
<th>Nature of Service</th>
<th>Frequency</th>
<th>Power</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> E182020</td>
<td>01/28/2019</td>
<td>Fixed Earth Stations</td>
<td>3.8 meter</td>
<td>Prime Focus</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Audio</td>
</tr>
<tr>
<td><strong>2</strong> E181892</td>
<td>01/03/2019</td>
<td>Fixed Earth Stations</td>
<td>3.8 meter</td>
<td>Prime Focus</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Audio</td>
</tr>
</tbody>
</table>

### WTCM Radio, Inc.

- **Registration:** E182020
- **Grant of Authority:** 08/29/2018 - 08/29/2033
- **Date Effective:** 01/28/2019
- **Antenna ID:** 3.8 meter
- **Location:** 300 East Front St, Grand Traverse, Traverse City, MI
- **LAT:** 44° 45' 50.10" N
- **LONG:** 85° 37' 4.20" W
**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 1971 University Blvd, Lynchburg, VA 37° 21' 28.80" N LAT. 79° 10' 22.80" W LONG.

**ANTENNA ID:** 1 4.5 meters Challenger Communications Navigator 45-III

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital Video</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0F8F</td>
<td>Analog Video with Associated Subcarriers</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20181212-03443** E E030334 Station Venture Operations, LP

- **Grant of Authority**: 01/12/2019 - 01/12/2034
- **Date Effective**: 01/03/2019

**Class of Station:** Temporary Fixed Earth Station

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

**SITE ID:** 1

**LOCATION:** VARIOUS

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>ID</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMK 15 1.5 meter</td>
<td>1.5 meters</td>
<td>VERTEX/RSI</td>
<td>ONE 36 MBIT/S MCPC DIGITAL CARRIER FOR VOICE AND PICTURE DATA</td>
</tr>
<tr>
<td>36M0G7W</td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>68.50 dBW</td>
<td></td>
</tr>
<tr>
<td>36M0G7W</td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>0.00 dBW</td>
<td>DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO</td>
</tr>
<tr>
<td>36M0F9W</td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>0.00 dBW</td>
<td>ANALOG VIDEO AND ASSOCIATED AUDIO</td>
</tr>
</tbody>
</table>

**Points of Communication:**

1 - PERMITTED LIST - ()

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**SES-RWL-20181221-03535** E E030293 Pacific Public Media

- **Grant of Authority**: 12/23/2018 - 12/23/2033
- **Date Effective**: 01/28/2019

**Class of Station:** Fixed Earth Stations

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

1 - PERMITTED LIST - ()

**SES-RWL-20181226-03527**  
Renewal  
Grant of Authority  
Date Effective: 01/02/2019

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

**SITE ID:** 1  
**LOCATION:** 1010 South 122 Street, Pierce, Tacoma, WA  
47 ° 8 ' 42.00 " N LAT.  
122 ° 26 ' 37.00 " W LONG.

**ANTENNA ID:** 1  
3.8 meters  
Prodelin  
1383  

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Gain</th>
<th>Service Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>154KG7W</td>
<td>50.76 dBW, Digital Data, Various information, 128 kbps, 1/2 FEC, QPSK</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>154KG7W</td>
<td>50.76 dBW, Digital Data, Various information, 128 kbps, 1/2 FEC, QPSK</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - PERMITTED LIST - ()

**SES-STA-20181213-03438**  
Special Temporary Authority  
Grant of Authority  
Date Effective: 01/28/2019

**Class of Station:**

On January 28, 2019, Globecomm License Sub LLC was granted special temporary authority for 60 days, beginning January 29, 2019, to operate its 3.8-meter (GSM 15) and 4.0-meter (GSM 16) fixed earth station antennas in Laurel, MD with (1) the Galaxy 19 (S2647) satellite at the 97° W.L. orbital location, and (2) the Telstar 12V (S2933) satellite at the 15° W.L. orbital location. Operations will be in the 13.75-14.5 GHz (Earth-to space); and in the 10.95-11.2 and 11.45-12.75 GHz (space-to-Earth) frequency bands.

Points of Communication:

**SES-STA-20181231-03596**  
Special Temporary Authority  
Grant of Authority  
Date Effective: 01/02/2019

**Class of Station:**

**SITE ID:** 1  
**LOCATION:** 108 E ROBBERTS AVENUE (SIMULSAT) P.O. BOX 539, KINGFISHER, KINGFISHER, OK  
35 ° 52 ' 4.50 " N LAT.  
97 ° 54 '  15.20 " W LONG.

**ANTENNA ID:** 1  
5 meters  
ANTENNA TECH CORP.  
SIMULSAT 5M

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Gain</th>
<th>Service Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0F8F</td>
<td>ANALOG AND DIGITAL</td>
</tr>
</tbody>
</table>
On January 3, 2019, Lockheed Martin Corporation was granted special temporary authority for 30 days, beginning January 3, 2019, to operate its fixed earth station in Carpentersville, NJ to provide telecommand functions during the orbit raising phase of the HellasSat 4/SaudiGeoSat 1 (HS4) satellite to the orbital location 39.0°E on the following center frequencies: 5949.22 MHz, 5950.67 MHz, 5963.03 MHz, 5964.49 MHz (Earth-to-space).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20190102–00001</th>
<th>E4132</th>
<th>Intelsat License LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 01/03/2019</td>
</tr>
</tbody>
</table>

Class of Station:

On January 3, 2019, Intelsat License LLC was granted special temporary authority for 30 days, beginning January 21, 2019, to operate its Fillmore, CA fixed earth station to provide launch and early orbit phase (LEOP) services for the GSAT-31 satellite, licensed by India, on the following center frequencies: 6415.000 MHz and 6423.496 MHz (Earth-to-space); and 4188.768 MHz and 4196.928 MHz (space-to-Earth).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20190102–00002</th>
<th>E040125</th>
<th>Intelsat License LLC</th>
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</thead>
<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 01/03/2019</td>
</tr>
</tbody>
</table>

Class of Station:

On January 3, 2018, Intelsat License LLC was granted special temporary authority for 30 days, beginning January 21, 2019, to operate its Riverside, CA earth stations to provide launch and early orbit phase (LEOP) services for the GSAT-31 satellite, licensed by India, on the following center frequencies: 6415.000 MHz and 6423.496 MHz (Earth-to-space); and 4188.768 MHz and 4196.928 MHz (space-to-Earth).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20190102–00003</th>
<th>E000048</th>
<th>Intelsat License LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Temporary Authority</td>
<td>Grant of Authority</td>
<td>Date Effective: 01/03/2019</td>
</tr>
</tbody>
</table>

Class of Station:

On January 3, 2019, Intelsat License LLC was granted special temporary authority for 60 days, beginning January 7, 2019, to operate its fixed earth station in Ellenwood, GA with the Intelsat 903 (S2407) satellite at the 31.5°W.L. orbital location in the 14.0-14.5 GHz (Earth-to-space), and the 10.95-11.2 GHz and 11.45-11.7 GHz (space-to-Earth) frequency bands.

Points of Communication:

<table>
<thead>
<tr>
<th>SES–REG–20031210–01798</th>
<th>WN84</th>
<th>Comcast of Nashville I, LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>License surrendered by letter filed on December 19, 2018.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th></th>
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<tr>
<td>License surrendered by letter filed on December 19, 2018.</td>
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</table>

<table>
<thead>
<tr>
<th>SES–RWL–20040126–00116</th>
<th>E6748</th>
<th>Comcast of Maryland, LLC</th>
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<tbody>
<tr>
<td>License surrendered by letter filed on December 19, 2018.</td>
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</table>

<table>
<thead>
<tr>
<th>SES–RWL–20040402–00500</th>
<th>WX24</th>
<th>Comcast of Maryland, LLC</th>
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</thead>
<tbody>
<tr>
<td>License surrendered by letter filed on December 19, 2018.</td>
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<table>
<thead>
<tr>
<th>SES–RWL–20040402–00501</th>
<th>WT78</th>
<th>Comcast of Michigan I, LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>License surrendered by letter filed on December 19, 2018.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>License Number</td>
<td>EPN</td>
<td>Licensee Name</td>
</tr>
<tr>
<td>----------------</td>
<td>------</td>
<td>-------------------------------------------------</td>
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<tr>
<td>SES-RWL-20040405-00510</td>
<td>WH97</td>
<td>Comcast of Michigan I, LLC</td>
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<tr>
<td>SES-RWL-20040604-00788</td>
<td>E7504</td>
<td>Comcast of Massachusetts II, Inc.</td>
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<tr>
<td>SES-RWL-20050331-00374</td>
<td>E950383</td>
<td>Comcast of Maryland, LLC</td>
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<tr>
<td>SES-RWL-20050411-00424</td>
<td>E8678</td>
<td>Comcast of Maryland, LLC</td>
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<tr>
<td>SES-RWL-20050726-00984</td>
<td>E859629</td>
<td>Comcast of Minnesota/Wisconsin, Inc.</td>
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<tr>
<td>SES-RWL-20050726-00988</td>
<td>E9495</td>
<td>Comcast of Nashville I, LLC</td>
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<tr>
<td>SES-RWL-20060228-00316</td>
<td>E860402</td>
<td>Comcast of Minnesota, Inc.</td>
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<td>SES-RWL-20060228-00319</td>
<td>E860459</td>
<td>Comcast of Minnesota, Inc.</td>
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<td>SES-RWL-20060228-00320</td>
<td>E860458</td>
<td>Comcast of Minnesota, Inc.</td>
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<td>SES-RWL-20060306-00370</td>
<td>E860364</td>
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<td>SES-RWL-20060623-01057</td>
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<td>Comcast of Maryland, LLC</td>
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<td>SES-RWL-20060623-01058</td>
<td>E860751</td>
<td>Comcast of Maryland, LLC</td>
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<td>SES-RWL-20060919-01760</td>
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<td>Comcast of Minnesota/Wisconsin, Inc.</td>
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<td>SES-RWL-20100805-00993</td>
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<td>Comcast of Muncie, LP</td>
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<td>SES-RWL-20100923-01186</td>
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<td>SES-RWL-20111005-01168</td>
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<tr>
<td>SES-RWL-20111012-01217</td>
<td>E3716</td>
<td>Comcast of Monmouth County, LLC</td>
</tr>
</tbody>
</table>

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