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

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**SES-MOD-20181008-03675**  E  E090134  SES Americom, Inc.  09/17/2009 - 09/17/2024  Date Effective:  02/18/2020

**Class of Station:**  Fixed Earth Stations

**Nature of Service:**  Fixed Satellite Service

**SITE ID:**  SSB C3

**LOCATION:**  58-350 Kamehameha Hwy, Comsat Road, Honolulu, Haleiwa, HI

21° 40’ 14.80” N LAT.  158° 1’ 55.00” W LONG.

**ANTENNA ID:**  SSB C3  9.3 meters  Andrew  ES93

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>ID</th>
<th>Power</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>36M0G7W</td>
<td>81.00 dBW</td>
<td>Video; Digital Data; TT&amp;C</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>38M0F8W</td>
<td>79.50 dBW</td>
<td>Frequency modulated analog video and data</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>36M0F7D</td>
<td>81.00 dBW</td>
<td>Frequency modulated digital carrier for data, TT&amp;C</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Video; Digital Data; TT&amp;C</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0F8W</td>
<td>Frequency modulated analog video and data</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0F7D</td>
<td>Frequency modulated digital carrier for data, TT&amp;C</td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>Modulation</td>
<td>Services</td>
<td></td>
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<tr>
<td>-------------------------</td>
<td>-----------------------------------</td>
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<td></td>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>Frequency modulated analog video and data</td>
<td>Video; Digital Data; TT&amp;C</td>
<td></td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>Frequency modulated digital carrier for data, TT&amp;C</td>
<td>Video; Digital Data; TT&amp;C</td>
<td></td>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>Video; Digital Data; TT&amp;C</td>
<td>Digital Data</td>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>Frequency modulated TC carrier</td>
<td>Video; Digital Data; TT&amp;C</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Frequency modulated analog video and data</td>
<td>Digital Data</td>
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</tbody>
</table>

**Points of Communication:**

- **SSB C3 - PERMITTED LIST - ()**

**SES–REG–20180924–04539**

| Registration | United Service Source, Inc | 09/20/2018 - 09/20/2033 |
| Grant of Authority | Date Effective: 02/18/2020 |

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 9115 Ellis Rd., Brevard, Melbourne, FL

28° 5' 52.82" N LAT. 80° 41' 46.80" W LONG.

**ANTENNA ID:** 1

**ANTENNA SIZE:** 3.7 meters

**LOCATION:** GD Satcom

**ANTENNA ID:** 1374-990

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

**Points of Communication:**

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

**SES–REG–20180925–04565**

| Registration | Eagle Broadband Investments, LLC | 09/25/2018 - 09/25/2033 |
| Grant of Authority | Date Effective: 02/25/2020 |

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Name and Contact change Per Letter dated November 5, 2019. See Other Filing Tab for letter request.
### Points of Communication:

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location</th>
<th>Antenna ID</th>
<th>Antenna Type</th>
<th>Frequency Range</th>
<th>Capacity</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Road 229 (EC - Alma, NE), Harlan, Alma, NE</td>
<td>EALMA-SA1</td>
<td>Scientific Atlanta</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7D</td>
<td>Video</td>
</tr>
<tr>
<td></td>
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<td>EALMA-SA2</td>
<td>Scientific Atlanta</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7D</td>
<td>Video</td>
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<td>EALMA-PAT</td>
<td>Patriot</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7D</td>
<td>Video</td>
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<td></td>
<td>EALMA-DH</td>
<td>DH</td>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>Video</td>
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<td></td>
<td></td>
<td>EALMA-PRD1</td>
<td>Prodelin</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7D</td>
<td>Video</td>
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<td>EALMA-PRD2</td>
<td>Prodelin</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7D</td>
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**Points of Communication:**

1 - PERMITTED LIST - ()

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**BOTT COMMUNICATIONS, INC.**

<table>
<thead>
<tr>
<th>Registration</th>
<th>E191004</th>
<th>Bott Communications, Inc.</th>
<th>10/01/2018 - 10/01/2033</th>
</tr>
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<tr>
<td>Grant of Authority</td>
<td>Date Effective:</td>
<td>02/18/2020</td>
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</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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**1750 S. Brentwood Blvd Suite 811, USA, St. Louis, MO**

<table>
<thead>
<tr>
<th>Antenna ID</th>
<th>Antenna Type</th>
<th>Frequency Range</th>
<th>Capacity</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANT1</td>
<td>Prodelin</td>
<td>3.8 meters</td>
<td>Series 1374-1375</td>
<td>Digital Audio</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Points of Communication:**

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

Nature of Service: Fixed Satellite Service

SITE ID: 38 56
LOCATION: 10550 Barkley Suite 100, USA, Overland Park, KS
38 ° 56 ' 12.69 " N LAT. 94 ° 39 ' 52.83 " W LONG.

ANTENNA ID: ANT1 3.7 meters Prodelin Series 1374

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio

Points of Communication:

38 56 - PERMITTED LIST - ()

SITE ID: 1
LOCATION: 5735 South Fashion Boulevard, MURRAY, UT
40 ° 38 ' 46.54 " N LAT. 111 ° 52 ' 48.78 " W LONG.

ANTENNA ID: 1 3.4 meters GENERAL DYNAMICS Satcomm1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 2
LOCATION: 1461 North Main Street, CENTERVILLE, UT
40 ° 56 ' 14.28 " N LAT. 111 ° 52 ' 49.00 " W LONG.

ANTENNA ID: 2 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 3
LOCATION: 4275 Bountiful Boulevard, BOUNTIFUL, UT
40 ° 50 ' 32.04 " N LAT. 111 ° 52 ' 50.36 " W LONG.

ANTENNA ID: 3 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W
SITE ID: 4
LOCATION: Center Main, KOOSHAREM, UT
38 ° 30' 37.89 " N LAT. 111 ° 52 ' 50.76 " W LONG.

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

SITE ID: 5
LOCATION: 2150 North Pointe Meadow Drive, LEHI, UT
40 ° 24' 49.98 " N LAT. 111 ° 52 ' 48.65 " W LONG.

ANTENNA ID: 5 3.4 meters General Dynamics Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 6
LOCATION: 2030 W Chapel Ridge Rd, LEHI, UT
40 ° 26' 39.92 " N LAT. 111 ° 52 ' 51.17 " W LONG.

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

SITE ID: 7
LOCATION: 9331 South 300 East, SANDY, UT
40 ° 34' 57.99 " N LAT. 111 ° 52 ' 52.75 " W LONG.

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

SITE ID: 8
LOCATION: 2110 North Main Street, CENTERVILLE, UT
40 ° 56' 53.52 " N LAT. 111 ° 52 ' 52.89 " W LONG.

ANTENNA ID: 8 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 9
LOCATION: 275 East 10600 South, SANDY, UT
40 ° 32' 24.84 " N LAT. 111 ° 52 ' 56.43 " W LONG.

ANTENNA ID: 9 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 10
LOCATION: 11626 South 300 East, DRAPER, UT
40 ° 32' 24.84 " N LAT. 111 ° 52 ' 56.43 " W LONG.
ANTENNA ID: 10  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 11
LOCATION: 990 N 100 W, BOUNTIFUL, UT
40° 53' 57.14" N LAT.  111° 52' 56.49" W LONG.

ANTENNA ID: 11  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 12
LOCATION: 13085 S 300 E, DRAPER, UT
40° 30' 53.21" N LAT.  111° 52' 51.73" W LONG.

ANTENNA ID: 12  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 13
LOCATION: 2280 South 300 East, SALT LAKE CITY, UT
40° 43' 15.56" N LAT.  111° 52' 59.34" W LONG.

ANTENNA ID: 13  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 14
LOCATION: 135 A Street, SALT LAKE CITY, UT
40° 46' 20.92" N LAT.  111° 53' 1.58" W LONG.

ANTENNA ID: 14  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 15
LOCATION: 240 Greenwood Cir, MIDVALE, UT
40° 36' 50.04" N LAT.  111° 53' 2.53" W LONG.

ANTENNA ID: 15  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID: 16
LOCATION: 8670 South 220 East, SANDY, UT
40° 35' 39.91" N LAT.  111° 53' 3.03" W LONG.

ANTENNA ID: 16  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
SITE ID: 17
LOCATION: 1250 South Main Street, BOUNTIFUL, UT
40 ° 52' 36.90" N LAT. 111 ° 53' 3.26" W LONG.

ANTENNA ID: 17 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 18
LOCATION: 695 South 200 East, FARMINGTON, UT
40 ° 58' 6.90" N LAT. 111 ° 52' 58.99" W LONG.

ANTENNA ID: 18 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 19
LOCATION: 2161 West Grays Drive, LEHI, UT
40 ° 23' 0.09" N LAT. 111 ° 53' 7.91" W LONG.

ANTENNA ID: 19 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 20
LOCATION: 160 East 4600 South, MURRAY, UT
40 ° 40' 18.56" N LAT. 111 ° 53' 11.19" W LONG.

ANTENNA ID: 20 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 21
LOCATION: 5750 South Nena Way, MURRAY, UT
40 ° 38' 48.98" N LAT. 111 ° 53' 27.25" W LONG.

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

SITE ID: 22
LOCATION: 347 South 200 West, FARMINGTON, UT
40 ° 58' 29.57" N LAT. 111 ° 53' 29.20" W LONG.

ANTENNA ID: 22 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 23
LOCATION: 2651 South 500 West, BOUNTIFUL, UT
40 ° 51' 39.59" N LAT. 111 ° 53' 30.38" W LONG.
<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>3.4 meters</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
</tr>
<tr>
<td>24</td>
<td>3.4 meters</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
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<td>25</td>
<td>3.4 meters</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
</tr>
<tr>
<td>26</td>
<td>3.4 meters</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
</tr>
<tr>
<td>27</td>
<td>3.4 meters</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
</tr>
<tr>
<td>28</td>
<td>3.4 meters</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
</tr>
<tr>
<td>29</td>
<td>3.4 meters</td>
<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
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<td>SITE ID</td>
<td>LOCATION</td>
<td>LAT.</td>
<td>LONG.</td>
</tr>
<tr>
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<td>----------</td>
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<td>-------</td>
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<tr>
<td>30</td>
<td>900 Eaglepointe Drive, NORTH SALT LAKE, UT</td>
<td>40°49'33.64&quot;N</td>
<td>111°54'0.65&quot;W</td>
</tr>
<tr>
<td>31</td>
<td>75 South Center Street, GOSHEN, UT</td>
<td>39°57'4.76&quot;N</td>
<td>111°54'2.71&quot;W</td>
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<tr>
<td>32</td>
<td>2064 South 800 West, WOODS CROSS, UT</td>
<td>40°52'10.33&quot;N</td>
<td>111°54'8.54&quot;W</td>
</tr>
<tr>
<td>33</td>
<td>729 Shepard Ln, FARMINGTON, UT</td>
<td>41°0'0.80&quot;N</td>
<td>111°54'12.62&quot;W</td>
</tr>
<tr>
<td>34</td>
<td>8171 South Jackson Street, MIDVALE, UT</td>
<td>40°36'10.80&quot;N</td>
<td>111°53'52.82&quot;W</td>
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<td>35</td>
<td>587 South Saratoga Road, SARATOGA SPRINGS, UT</td>
<td>40°21'6.74&quot;N</td>
<td>111°54'13.16&quot;W</td>
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<tr>
<td>36</td>
<td>835 North 400 East, NORTH SALT LAKE, UT</td>
<td>40°51'26.37&quot;N</td>
<td>111°54'13.82&quot;W</td>
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<tr>
<td>SITE ID</td>
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<td>LAT.</td>
<td>LONG.</td>
</tr>
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<td>--------------------------------</td>
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<tr>
<td>36</td>
<td>170 North Mountain Road, FRUIT HEIGHTS, UT</td>
<td>41° 2' 15.17&quot;</td>
<td>111° 54' 20.34&quot;</td>
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<tr>
<td>37</td>
<td>619 West 5750 South, MURRAY, UT</td>
<td>40° 38' 44.79&quot;</td>
<td>111° 54' 26.31&quot;</td>
</tr>
<tr>
<td>38</td>
<td>261 East Center Street, NORTH SALT LAKE, UT</td>
<td>40° 50' 31.44&quot;</td>
<td>111° 54' 12.85&quot;</td>
</tr>
<tr>
<td>39</td>
<td>55 East 350 North, NORTH SALT LAKE, UT</td>
<td>40° 50' 55.06&quot;</td>
<td>111° 54' 38.42&quot;</td>
</tr>
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<td>40</td>
<td>5200 South Glendon Street (700 West), MURRAY, UT</td>
<td>40° 39' 27.03&quot;</td>
<td>111° 54' 38.88&quot;</td>
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<td>41</td>
<td>2680 East Cherry Lane, LAYTON, UT</td>
<td>41° 4' 51.19&quot;</td>
<td>111° 54' 55.04&quot;</td>
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ANTENNA ID: 36
3.4 meters
GENERAL DYNAMICS
Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 37
3.4 meters
GENERAL DYNAMICS
Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 38
3.4 meters
GENERAL DYNAMICS
Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: 39
3.4 meters
GENERAL DYNAMICS
Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

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

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

ANTENNA ID: 42
3.4 meters
GENERAL DYNAMICS
Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W
SITE ID: 43  
LOCATION: 934 West Fremont Avenue, SALT LAKE CITY, UT  
40° 44' 42.48" N LAT. 111° 55' 5.23" W LONG.  
ANTENNA ID: 43  
3.4 meters  GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  36M0G7W  

SITE ID: 44  
LOCATION: 12101 S 700 W, DRAPER, UT  
40° 31' 54.00" N LAT. 111° 54' 35.52" W LONG.  
ANTENNA ID: 44  
3.4 meters  GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  36M0G7W  

SITE ID: 45  
LOCATION: 2375 East 3225 North, LAYTON, UT  
41° 6' 34.52" N LAT. 111° 55' 11.21" W LONG.  
ANTENNA ID: 45  
3.4 meters  GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  36M0G7W  

SITE ID: 46  
LOCATION: 10168 South 1100 West, SOUTH JORDAN, UT  
40° 34' 0.05" N LAT. 111° 55' 17.34" W LONG.  
ANTENNA ID: 46  
3.4 meters  GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  36M0G7W  

SITE ID: 47  
LOCATION: 7989 South 2250 East, SOUTH WEBER, UT  
41° 7' 16.07" N LAT. 111° 55' 18.78" W LONG.  
ANTENNA ID: 47  
3.4 meters  GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  36M0G7W  

SITE ID: 48  
LOCATION: 1148 West 500 North, SALT LAKE CITY, UT  
40° 46' 49.92" N LAT. 111° 55' 25.35" W LONG.  
ANTENNA ID: 48  
3.4 meters  GENERAL DYNAMICS  
Satcom 1344  
3700.0000 - 4200.0000 MHz  36M0G7W  

SITE ID: 49  
LOCATION: 855 East Mutton Hollow Road, KAYSVILLE, UT  
41° 3' 27.82" N LAT. 111° 55' 8.33" W LONG.  

Page 11 of 67
ANTENNA ID: 49
3.4 meters
GENERAL DYNAMICS
Satcom 1344
3700.0000 - 4200.0000 MHz
36M0G7W

SITE ID: 50
LOCATION: 201 South 600 East, KAYSVILLE, UT
41 ° 1 ' 52.59 " N LAT. 111 ° 55 ' 28.85 " W LONG.

ANTENNA ID: 50
3.4 meters
GENERAL DYNAMICS
Satcom 1344
3700.0000 - 4200.0000 MHz
36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()
10 - PERMITTED LIST - ()
11 - PERMITTED LIST - ()
12 - PERMITTED LIST - ()
13 - PERMITTED LIST - ()
14 - PERMITTED LIST - ()
15 - PERMITTED LIST - ()
16 - PERMITTED LIST - ()
17 - PERMITTED LIST - ()
18 - PERMITTED LIST - ()
19 - PERMITTED LIST - ()
2 - PERMITTED LIST - ()
20 - PERMITTED LIST - ()
21 - PERMITTED LIST - ()
22 - PERMITTED LIST - ()
23 - PERMITTED LIST - ()
24 - PERMITTED LIST - ()
25 - PERMITTED LIST - ()
26 - PERMITTED LIST - ()
27 - PERMITTED LIST - ()
28 - PERMITTED LIST - ()
29 - PERMITTED LIST - ()

Page 12 of 67
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: LONE MOUNTAIN, MOUNT
LOCATION: 3300 N Buffalo Drive, LAS VEGAS, NV
36° 13' 14.21" N LAT. 115° 15' 35.47" W LONG.

ANTENNA ID: 1 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W
3700.0000 - 4200.0000 MHz 36M0G7W
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CANYON GATE, MONTE C
LOCATION: 1801 South Monte Cristo Way, LAS VEGAS, NV
36° 9' 2.67" N LAT. 115° 15' 18.24" W LONG.

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

SITE ID: EVERGREEN, PALMHURST
LOCATION: 221 Lorenzi Street, LAS VEGAS, NV
36° 10' 13.27" N LAT. 115° 14' 28.62" W LONG.

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

SITE ID: LAURELWOOD, LAS VEGA
LOCATION: 6601 West Twain Avenue, LAS VEGAS, NV
36° 7' 17.61" N LAT. 115° 14' 12.33" W LONG.

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

SITE ID: DEER SPRINGS, GILCRE
LOCATION: 6051 Dorrell Lane, LAS VEGAS, NV
36° 17' 11.73" N LAT. 115° 13' 31.57" W LONG.
<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
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<th>LONG.</th>
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<tr>
<td>REDROCK YSA, SPANISH</td>
<td>6100 Alta Drive, LAS VEGAS, NV</td>
<td>36° 9' 59.87&quot;</td>
<td>115° 13' 29.08&quot;</td>
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<tr>
<td>CHARLESTON, RANCHO</td>
<td>3400 West Charleston Boulevard, LAS VEGAS, NV</td>
<td>36° 9' 33.96&quot;</td>
<td>115° 11' 15.94&quot;</td>
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<td>ALIANTE, DOVE CANYON</td>
<td>3350 West Alexander Road, NORTH LAS VEGAS, NV</td>
<td>36° 13' 56.68&quot;</td>
<td>115° 11' 7.24&quot;</td>
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<td>CHEYENNE, CIMARRON C</td>
<td>3200 Mustang Street, LAS VEGAS, NV</td>
<td>36° 16' 23.42&quot;</td>
<td>115° 8' 19.83&quot;</td>
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<tr>
<td>HARMONY HILLS, NELLI</td>
<td>50 E Azure Avenue, NORTH LAS VEGAS, NV</td>
<td>36° 16' 23.42&quot;</td>
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**ANTENNA ID:**

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<tr>
<td>7</td>
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3700.0000 - 4200.0000 MHz  36M0G7W
3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  FRANCISCO PARK, GREE
LOCATION:  1725 Palora Avenue, LAS VEGAS, NV
36 ° 8' 3.47 " N LAT.  115 ° 7 ' 43.26 " W LONG.

ANTENNA ID:  11  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  LAS PALMAS, ROBINDAL
LOCATION:  7670 South Bruce Street, LAS VEGAS, NV
36 ° 3' 0.11 " N LAT.  115 ° 7 ' 27.32 " W LONG.

ANTENNA ID:  12  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  CIVIC CENTER, TROPIC
LOCATION:  2401 East Tonopah Avenue, NORTH LAS VEGAS, NV
36 ° 11' 31.23 " N LAT.  115 ° 6 ' 59.82 " W LONG.

ANTENNA ID:  13  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  ALAMO, HIKO
LOCATION:  49 Purple Sage Avenue, ALAMO, NV
37 ° 21 ' 49.21 " N LAT.  115 ° 9 ' 50.61 " W LONG.

ANTENNA ID:  14  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  ENSIGN (SP), SANDHIL
LOCATION:  4040 E Wyoming Avenue, LAS VEGAS, NV
36 ° 9' 7.26 " N LAT.  115 ° 5 ' 11.45 " W LONG.

ANTENNA ID:  ENSIGNSP  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
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<th>ANTENNA ID</th>
<th>Frequency Range</th>
<th>Antenna Size</th>
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<td>FOUNTAINS, GREEN VAL</td>
<td>410 N Valley Verde Dr, HENDERSON, NV</td>
<td>36° 3' 27.36&quot; N</td>
<td>115° 4' 6.49&quot; W</td>
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<td></td>
<td>36° 9' 58.51&quot; N</td>
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<td>36M0G7W</td>
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<tr>
<td>CHARLESTON BOULEVARD</td>
<td>375 N Hollywood Boulevard, LAS VEGAS, NV</td>
<td>36° 11' 33.58&quot; N</td>
<td>115° 1' 36.70&quot; W</td>
<td>CHAR00001</td>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>36° 0' 42.29&quot; N</td>
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<td>36M0G7W</td>
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<td>CHAPEL HEIGHTS, MOUNT</td>
<td>1825 N Hollywood Boulevard, LAS VEGAS, NV</td>
<td>38° 51' 25.19&quot; N</td>
<td>114° 58' 14.16&quot; W</td>
<td>CHAPEL001</td>
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<tr>
<td>ELY 1, 2, 3 &amp;</td>
<td>900 Avenue East, ELY, NV</td>
<td>39° 15’ 21.50” N</td>
<td>114° 52’ 15.85” W</td>
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<td>BLACK CANYON, OASIS</td>
<td>916 5th Street, BOULDER CITY, NV</td>
<td>35° 58’ 25.21” N</td>
<td>114° 49’ 57.21” W</td>
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<td>JACKPOT NEVADA</td>
<td>2590 Progressive Dr, JACKPOT, NV</td>
<td>41° 58’ 46.32” N</td>
<td>114° 39’ 54.01” W</td>
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<td>CALICO RIDGE, FAIRVIEW</td>
<td>303 South Cholla Street, HENDERSON, NV</td>
<td>36° 2’ 18.98” N</td>
<td>114° 58’ 22.25” W</td>
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<tr>
<td>PANACA 1, 2 &amp;</td>
<td>1065 Main Street, PANACA, NV</td>
<td>37° 47’ 25.64” N</td>
<td>114° 23’ 15.35” W</td>
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<tr>
<td>MESQUITE 1, 4, 7, VI</td>
<td>100 North Arrowhead Lane, MESQUITE, NV</td>
<td>36° 48’ 19.46” N</td>
<td>114° 4’ 30.67” W</td>
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**ANTENNA ID:** ARROWHE 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

**SITE ID:** ELY 123& LOCATION: 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

**SITE ID:** BLACKCANYON LOCATION: BLACKCANYON, OASIS 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

**SITE ID:** JACKPOT NEVADA LOCATION: JACKPOT NEVADA 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

**SITE ID:** CALICO RIDGE, FAIRVIEW LOCATION: CALICO RIDGE, FAIRVIEW 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

**SITE ID:** PANACA 123 LOCATION: PANACA 123 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W

**SITE ID:** MESQUITE 1 LOCATION: MESQUITE 1 3.4 meters GENERAL DYNAMICS Satcom 1344

3700.0000 - 4200.0000 MHz 36M0G7W
SITE ID: KEENE
LOCATION: 130 Summit Road, KEENE, NH
42° 56’ 55.29” N LAT. 72° 19’ 25.03” W LONG.

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

SITE ID: HANOVER, LEBANON
LOCATION: 667 Dartmouth College Highway, LEBANON, NH
43° 38’ 58.12” N LAT. 72° 10’ 18.51” W LONG.

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

SITE ID: PETERBOROUGH
LOCATION: 65 Old Bennington Road, PETERBOROUGH, NH
42° 56’ 20.47” N LAT. 71° 54’ 34.92” W LONG.

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

SITE ID: LOGANDALE 3, 4 &
LOCATION: 2555 N St Joseph St, LOGANDALE, NV
36° 35’ 12.25” N LAT. 114° 27’ 41.21” W LONG.

ANTENNA ID: LOGANDA3 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: CANTERBURY, CONCORD
LOCATION: 90 Clinton Street, CONCORD, NH
43° 11’ 23.79” N LAT. 71° 33’ 5.78” W LONG.

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

SITE ID: LACONIA
LOCATION: 1242 Old North Main Street, LACONIA, NH
43° 32’ 46.94” N LAT. 71° 28’ 52.74” W LONG.

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

SITE ID: MERRIMACK, NASHUA 1,
LOCATION: 110 Concord Street, NASHUA, NH
42° 46’ 55.56” N LAT. 71° 28’ 0.71” W LONG.
<table>
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<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>ANTENNA ID</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MERRMACK</td>
<td>105 Wind Song Avenue, MANCHESTER, NH</td>
<td>43° 0' 22.85&quot; N</td>
<td>71° 25' 11.09&quot; W</td>
<td>Satcom 1344</td>
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<tr>
<td>DERRY</td>
<td>50 Adams Pond Road, DERRY, NH</td>
<td>42° 54' 27.04&quot; N</td>
<td>71° 16' 31.21&quot; W</td>
<td>Satcom 1344</td>
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<tr>
<td>PLYMOUTH</td>
<td>354 Fairgrounds Road, PLYMOUTH, IN</td>
<td>43° 46' 36.49&quot; N</td>
<td>71° 42' 59.64&quot; W</td>
<td>Satcom 1344</td>
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<td>EXETER &amp;</td>
<td>55 Hampton Falls Road, EXETER, NH</td>
<td>42° 58' 1.67&quot; N</td>
<td>70° 54' 37.50&quot; W</td>
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<tr>
<td>SOMERSW</td>
<td>35 Tates Brook Road, SOMERSWORTH, NH</td>
<td>43° 15' 20.58&quot; N</td>
<td>70° 53' 10.42&quot; W</td>
<td>Satcom 1344</td>
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<td>PORTSMOUL</td>
<td>65 Andrew Jarvis Drive, PORTSMOUTH, NH</td>
<td>43° 3' 33.98&quot; N</td>
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<td>WOODSTOWN</td>
<td>1194 Kings Highway, WOODSTOWN, NJ</td>
<td>39° 40' 3.40&quot; N</td>
<td>75° 21' 12.24&quot; W</td>
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<td>SEWELL</td>
<td>259 Lambs Rd, MANTUA, NJ</td>
<td>39° 45' 1.19&quot; N</td>
<td>75° 7' 31.13&quot; W</td>
<td>Satcom 1344</td>
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SITE ID: RANDOLPH  
LOCATION: 5 US Route 2, RANDOLPH, NH  
44° 22' 51.88" N LAT.  
71° 14' 49.86" W LONG.  
ANTENNA ID: RANDOLP  3.4 meters  GENERAL DYNAMICS  Satcom 1344

SITE ID: LANDIS (SP), VINELAN  
LOCATION: 110 Highland Avenue, VINELAND, NJ  
39° 28' 57.11" N LAT.  
74° 59' 2.98" W LONG.  
ANTENNA ID: LANDISSP  3.4 meters  GENERAL DYNAMICS  Satcom 1344

SITE ID: MOORESTOWN  
LOCATION: 321 Bridgeboro Road, MOORESTOWN, NJ  
39° 59' 10.37" N LAT.  
74° 56' 46.12" W LONG.  
ANTENNA ID: MOOREST  3.4 meters  GENERAL DYNAMICS  Satcom 1344

SITE ID: CLINTON  
LOCATION: 7 Red School House Road, LEBANON, NJ  
40° 36' 3.24" N LAT.  
74° 52' 38.19" W LONG.  
ANTENNA ID: CLINTON  3.4 meters  GENERAL DYNAMICS  Satcom 1344

SITE ID: CAPE MAY  
LOCATION: 803 Hand Avenue, CAPE MAY COURT HOUSE, NJ  
39° 5' 22.88" N LAT.  
74° 50' 49.41" W LONG.  
ANTENNA ID: CAPEMAY  3.4 meters  GENERAL DYNAMICS  Satcom 1344

SITE ID: MEDFORD  
LOCATION: 609 Tabernacle Road, MEDFORD, NJ  
39° 51' 26.81" N LAT.  
74° 46' 27.70" W LONG.  
ANTENNA ID: MEDFORD  3.4 meters  GENERAL DYNAMICS  Satcom 1344

SITE ID: CHERRY HILL 1, 2 & 3  
LOCATION: 252 East Evesham Road, CHERRY HILL, NJ  
39° 51' 38.17" N LAT.  
74° 59' 29.54" W LONG.  
ANTENNA ID: CHERRYHI  3.4 meters  GENERAL DYNAMICS  Satcom 1344

Points of Communication:

ALAMO, HIKO - PERMITTED LIST - ()
ALIANTE, DOVE CANYON - PERMITTED LIST - ()
ARROWHEAD, HIGHLAND - PERMITTED LIST - ()
ARROYO GRANDE, CARNE - PERMITTED LIST - ()
BEDFORD, MANCHESTER - PERMITTED LIST - ()
BLACK CANYON, OASIS - PERMITTED LIST - ()
CALICO RIDGE, FAIRVI - PERMITTED LIST - ()
CANTERBURY, CONCORD - PERMITTED LIST - ()
CANYON GATE, MONTE C - PERMITTED LIST - ()
CAPE MAY - PERMITTED LIST - ()
CHAPEL HEIGHTS, MOUN - PERMITTED LIST - ()
CHARLESTON BOULEVARD - PERMITTED LIST - ()
CHARLESTON, RANCHO - PERMITTED LIST - ()
CHERRY HILL 1, 2 & - PERMITTED LIST - ()
CHEYENNE, CIMARRON C - PERMITTED LIST - ()
CIVIC CENTER, TROPIC - PERMITTED LIST - ()
CLINTON - PERMITTED LIST - ()
DEER SPRINGS, GILCRE - PERMITTED LIST - ()
DERRY - PERMITTED LIST - ()
ELY 1, 2, 3 & - PERMITTED LIST - ()
ENSIGN (SP), SANDHIL - PERMITTED LIST - ()
EVERGREEN, PALMHURST - PERMITTED LIST - ()
EXETER & - PERMITTED LIST - ()
FOUNTAINS, GREEN VAL - PERMITTED LIST - ()
FRANCISCO PARK, GREE - PERMITTED LIST - ()
HANOVER, LEBANON - PERMITTED LIST - ()
HARMONY HILLS, NELLI - PERMITTED LIST - ()
JACKPOT NEVADA - PERMITTED LIST - ()
KEENE - PERMITTED LIST - ()
LACONIA - PERMITTED LIST - ()
LANDIS (SP), VINELAN - PERMITTED LIST - ()
LAS PALMAS, ROBINDAL - PERMITTED LIST - ()
LAURELWOOD, LAS VEGA - PERMITTED LIST - ()
LOGANDALE 3, 4 & - PERMITTED LIST - ()
LONE MOUNTAIN, MOUNT - PERMITTED LIST - ()
LUND - PERMITTED LIST - ()
MEDFORD - PERMITTED LIST - ()
MERRIMACK, NASHUA 1, - PERMITTED LIST - ()
MESQUITE 1, 4, 7, VI - PERMITTED LIST - ()
MOORESTOWN - PERMITTED LIST - ()
PANACA 1, 2 & - PERMITTED LIST - ()
PETERBOROUGH - PERMITTED LIST - ()
PLYMOUTH - PERMITTED LIST - ()
PORTSMOUTH - PERMITTED LIST - ()
RANDOLPH - PERMITTED LIST - ()
REDROCK YSA, SPANISH - PERMITTED LIST - ()
SEWELL - PERMITTED LIST - ()
SOMERSWORTH - PERMITTED LIST - ()
WELLS - PERMITTED LIST - ()
WOODSTOWN - PERMITTED LIST - ()

SES–REG–20181008–04971  E191347  Northland Cable Television, Inc.
Registration  10/08/2018 - 10/08/2033
Grant of Authority  Date Effective:  02/25/2020

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  1388 Big Bear Pen Road (Highlands - NCTV), Macon, Highlands, NC
  35 ° 3 ' 39.20 " N LAT.  83 ° 11 ' 3.20 " W LONG.

ANTENNA ID:  Antenna 1  3 meters  Patriot  Unknown
  3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video Programming

ANTENNA ID:  Antenna 2  4.5 meters  Scientific Atlanta  Unknown
  3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video Programming

ANTENNA ID:  Antenna 3  3 meters  Scientific Atlanta  Unknown
  3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video Programming

ANTENNA ID:  Antenna 4  3.7 meters  DH Satellite  Unknown
### Points of Communication:

#### 1 - PERMITTED LIST - ()

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<td>Date Effective: 02/25/2020</td>
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#### SITE ID: 1

LOCATION: 801 Fairview Ave (NCTV), Grant, Ephrata, WA

47° 19' 24.10" N LAT. 119° 33' 37.50" W LONG.

#### ANTEenna ID:

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<td>Digital Video Programming</td>
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### Points of Communication:

#### 1 - PERMITTED LIST - ()

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<td>Fixed Satellite Service</td>
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</table>

#### SITE ID: 1

LOCATION: 801 Fairview Ave (NCTV), Grant, Ephrata, WA

47° 19' 24.10" N LAT. 119° 33' 37.50" W LONG.

#### ANTEenna ID:

<table>
<thead>
<tr>
<th>ANTEenna ID:</th>
<th>3.8 meters</th>
<th>Patriot</th>
<th>PRT 380</th>
</tr>
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<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital Video Programming</td>
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<td>SITE ID:</td>
<td>1</td>
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<tr>
<td>LOCATION:</td>
<td>411 1/2 Rainey Lane (NCTV), Madison, Madisonville, TX</td>
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<tr>
<td>LAT.:</td>
<td>30° 57' 6.60&quot; N</td>
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<tr>
<td>LONG.:</td>
<td>95° 53' 50.20&quot; W</td>
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</tbody>
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### Antenna 1
- **Antenna ID:** Patriot
- **Antenna Size:** 3.8 meters
- **Antenna ID:** Unknown
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 0.00 dBW
- **Service:** Digital Video Programming

### Antenna 2
- **Antenna ID:** Scientific Atlanta
- **Antenna Size:** 4.5 meters
- **Antenna ID:** Unknown
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 0.00 dBW
- **Service:** Digital Video Programming

### Antenna 3
- **Antenna ID:** Scientific Atlanta
- **Antenna Size:** 3.8 meters
- **Antenna ID:** Unknown
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 0.00 dBW
- **Service:** Digital Video Programming

### Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181008–04977**

<table>
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<tr>
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<tr>
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<td>02/25/2020</td>
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</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

| SITE ID: | 1 |
| LOCATION: | 5055 Rec Drive (ImOn TVRO Site), Linn, Marion, IA |
| LAT.: | 42° 3' 6.12" N |
| LONG.: | 91° 33' 16.13" W |

### Antenna 1
- **Antenna ID:** Satellite Export & Engineering
- **Antenna Size:** 4.5 meters
- **Antenna ID:** Patriot 4.5
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 0.00 dBW
- **Service:** Digital video TVRO operation for CATV retransmission

### Antenna 2
- **Antenna ID:** Satellite Export & Engineering
- **Antenna Size:** 4.5 meters
- **Antenna ID:** Patriot 4.5
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 0.00 dBW
- **Service:** Digital video TVRO operation for CATV retransmission

### Antenna 3
- **Antenna ID:** Satellite Export & Engineering
- **Antenna Size:** 4.5 meters
- **Antenna ID:** Patriot 4.5
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 0.00 dBW
- **Service:** Digital video TVRO operation for CATV retransmission

### Antenna 4
- **Antenna ID:** Satellite Export & Engineering
- **Antenna Size:** 4.5 meters
- **Antenna ID:** Patriot 4.5
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 0.00 dBW
- **Service:** Digital video TVRO operation for CATV retransmission

### Antenna 5
- **Antenna ID:** Satellite Export & Engineering
- **Antenna Size:** 4.5 meters
- **Antenna ID:** Patriot 4.5
- **Frequency Range:** 3700.0000 - 4200.0000 MHz
- **Power Level:** 0.00 dBW
- **Service:** Digital video TVRO operation for CATV retransmission
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<th>POWER LEVEL</th>
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<td>36M0G7W</td>
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<td>ANTEENA ID: Ant-9 4.5M</td>
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**Points of Communication:**

- Tri-State Christian TV, Inc.

**SES-REG-20181008-05119**

Tri-State Christian TV, Inc.

Registration: E191499

Grant of Authority: 10/08/2018 - 10/08/2033

Date Effective: 02/19/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Marion

**LOCATION:** 11717 Rt. 37, Williamson, Marion, IL

37° 45' 54.20" N LAT.

88° 56' 1.50" W LONG.

**ANTEENA ID:** 3.8m 3.8 meters DH Sat 3.8 meter

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video Carrier
Marion - PERMITTED LIST - ()

SES-REG-20181008-05391  E  E200096   Friends of KSPS  
Registration  

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

SITE ID:   2362 f  
LOCATION:   3911 S. Regal St, Spokane, Spokane, WA  
47 ° 37' 7.32" N LAT.  117 ° 22' 3.57" W LONG.  

ANTENNA ID:   ARTS  3.7 meters   Dawn Co.  D37F48-4PC-5.5  
3700.0000 - 4200.0000 MHz  36M0W2F  digital audio and video  

Points of Communication:  
2362 f - GALAXY 17 (S2715) - (91 W.L.)  

SES-REG-20181009-04991  E  E191367   AC Holdings, Inc.  
Registration  
Grant of Authority 10/09/2018 - 10/09/2033  
Date Effective:  02/19/2020  

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

SITE ID:   JFK-T8 - JFK IA  
LOCATION:   Van Wyck and JFK Expressway, Queens, Jamaica, NY  
40 ° 38' 55.80" N LAT.  73 ° 47' 28.30" W LONG.  

ANTENNA ID:   1  3.1 meters   Patriot  PRT-310  
3700.0000 - 4200.0000 MHz  36M0G7F  0.00 dBW  DVB-S2/AVC Video Services  

Points of Communication:  
JFK-T8 - JFK IA - PERMITTED LIST - ()  

SES-REG-20181009-05000  E  E191376   AC Holdings, Inc.  
Registration  
Grant of Authority 10/09/2018 - 10/09/2033  
Date Effective:  02/19/2020  

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

SITE ID:   HOU- Wil. P Hobby AP  
LOCATION:   7800 Airport Blvd, Harris, Houston, TX  
29 ° 39' 16.30" N LAT.  95 ° 16' 31.40" W LONG.  

ANTENNA ID:   1  3 meters   Prodelin  1134  
3700.0000 - 4200.0000 MHz  digital audio and video  
DVB-S2/AVC Video Services
### Points of Communication:

**HOU- Wil. P Hobby AP - PERMITTED LIST - ()**

**SES–REG–20181009–05005**  E  E191381  US Stations, LLC  
Registration  
Grant of Authority  
Date Effective: 02/25/2020  
Class of Station: Fixed Earth Stations  
Nature of Service: Fixed Satellite Service  

**SITE ID:** 1  
**LOCATION:** 125 Corporate Terrace, Garland, Hot Springs, AR  
34° 27' 15.60" N LAT.  93° 4' 21.80" W LONG.  
**ANTENNA ID:** HotSprings  4.6 meters  
**SITE ID:** 1  
**LOCATION:** 125 Corporate Terrace, Garland, Hot Springs, AR  
34° 27' 15.60" N LAT.  93° 4' 21.80" W LONG.  
**ANTENNA ID:** HotSprings  4.6 meters  

**Points of Communication:**

1 - PERMITTED LIST - ()

**SES–REG–20181009–05011**  E  E191387  TURNER BROADCASTING SYSTEM, INC.  
Registration  
Grant of Authority  
Date Effective: 02/25/2020  
Class of Station: Fixed Earth Stations  
Nature of Service: Fixed Satellite Service  

**SITE ID:** CRES Antenna 05  
**LOCATION:** 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33° 41' 26.80" N LAT.  84° 37' 21.30" W LONG.  
**ANTENNA ID:** ANT 05  7 meters  
**SITE ID:** CRES Antenna 06  
**LOCATION:** 7200 Campbellton Rd. SW, Fulton, Atlanta, GA  
33° 41' 26.70" N LAT.  84° 37' 22.30" W LONG.  
**ANTENNA ID:** ANT 06  7 meters  

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<th>Modulation/Service</th>
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<td>0.00 dBW</td>
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<td>digital audio</td>
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<td>0.00 dBW</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>15M5G1F</td>
<td>0.00 dBW</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>0.00 dBW</td>
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<td>0.00 dBW</td>
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CRES Antenna 06 - PERMITTED LIST - ()

CRES Antenna 07 - PERMITTED LIST - ()

CRES Antenna 08 - PERMITTED LIST - ()

CRES Antenna 10 - PERMITTED LIST - ()

SES–REG–20181009–05013  E  E191389  Alpha 3E Licensee LLC
Registration
Grant of Authority
Date Effective: 02/25/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 921 9th Ave SE, Codington, Watertown, SD
44° 53' 25.23" N LAT. 97° 6' 7.29" W LONG.

ANTENNA ID: AMC-18 3.8 meters Comtech 3.8

3700.0000 - 4200.0000 MHz 36M0G7W Network programming

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181009–05014  E  E191390  Alpha 3E Licensee LLC
Registration
Grant of Authority
Date Effective: 02/25/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 639 W Bridge St, Redwood, Redwood Falls, MN
44° 32' 33.44" N LAT. 95° 7' 56.04" W LONG.

ANTENNA ID: AMC-18 3.7 meters Prodelin 3.7

3700.0000 - 4200.0000 MHz 36M0G7W Network programming

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181009–05015  E  E191391  Alpha 3E Licensee LLC
Registration
Grant of Authority
Date Effective: 02/25/2020

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

SITE ID: 1
LOCATION: 101 S Egan, Lake, Madison, SD
44° 0' 17.63" N LAT. 97° 6' 51.38" W LONG.

ANTENNA ID: AMC-18 3.7 meters Prodelin 3.7

3700.0000 - 4200.0000 MHz 36M0G7W Network programming

Points of Communication:

1 - PERMITTED LIST - ()

**SES--REG--20181009--05016**

Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 02/25/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1140 150th Ave, Rock, Luverne, MN
43° 39' 5.49" N LAT. 96° 10' 18.35" W LONG.

ANTENNA ID: AMC-18 3.7 meters DH Satellite 37DH4

3700.0000 - 4200.0000 MHz 36M0G7W Network programming

Points of Communication:

1 - PERMITTED LIST - ()

**SES--REG--20181009--05028**

Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 02/25/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: CRES Antenna 01
LOCATION: 7200 Campbellton Rd. SW, Fulton, Atlanta, GA
33° 41' 25.80" N LAT. 84° 37' 23.00" W LONG.

ANTENNA ID: Antenna 01 5 meters RSI 500CS-200

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

3700.0000 - 4200.0000 MHz 20M0G7F 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video
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<th>SITE ID</th>
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<td>SITE ID: Clear Lake CO</td>
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Page 32 of 67
Points of Communication:

Clear Lake CO - PERMITTED LIST - ()

**SES–REG–20181009–05037**

**Registration**

E191415 TURNER BROADCASTING SYSTEM, INC.

Grant of Authority: 10/09/2018 - 10/09/2033

Date Effective: 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

33 ° 47 ’ 2.40 ” N LAT. 84 ° 23 ’ 37.70 ” W LONG.

**Antenna ID:** 1

7 meters Scientific Atlanta 8010

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video

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

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

SITE ID: 2

LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA

33 ° 47 ’ 3.10 ” N LAT. 84 ° 23 ’ 37.70 ” W LONG.

**Antenna ID:** 2

7 meters Scientific Atlanta 8010

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

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

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW QPSK, 8PSK & 16APSK Modulation, digital video

Points of Communication:

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

**SES–REG–20181009–05040**

**Registration**

E191418 AC Holdings, Inc.

Grant of Authority: 10/09/2018 - 10/09/2033

Date Effective: 02/18/2020

Class of Station: Fixed Earth Stations

Page 33 of 67
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 10701 Lambert International Blvd, St. Louis, St. Louis, MO
38° 44' 32.30" N LAT. 90° 21' 47.90" W LONG.

ANTENNA ID: 1 3.1 meters Patriot PRT-310
3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181009–05042 E191420 Baldwin Telecom Inc
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 558 CTY RD A, St Croix, Hudson, WI
44° 59' 36.00" N LAT. 92° 41' 18.00" W LONG.

ANTENNA ID: 1 4.5 meters Superior Satellite 8345
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Satellite and Television Feeds

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181009–05045 E191423 LM Communications II of SC Inc
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 59 Windermere Blvd, Charleston, Charleston, SC
32° 46’ 33.11” N LAT. 79° 58’ 34.72” W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 3.7 AZ EL
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Modulation and Services, Analog and Digital, with associated sub-carriers.
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<th>Company Name</th>
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<td>UniMas Sacramento LLC</td>
<td>10/09/2018 - 10/09/2033</td>
<td>02/18/2020</td>
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<td>SES-REG-20181009-05049</td>
<td>E191427</td>
<td>Alpha 3E Licensee LLC</td>
<td>10/09/2018 - 10/09/2033</td>
<td>02/18/2020</td>
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<td>SES-REG-20181009-05051</td>
<td>E191429</td>
<td>AC Holdings, Inc.</td>
<td>10/09/2018 - 10/09/2033</td>
<td>02/18/2020</td>
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</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** End of Whyse Lane, Walnut Grove, Sacramento, Sacramento, CA 35° 26' 16.80" N LAT. 118° 44' 26.54" W LONG.

**ANTENNA ID:** 1 3.8 meters Comtech 829066-G2RC

**Points of Communication:**

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

**SITE ID:** 1

**LOCATION:** 1418 25th St, Platte, Columbus, NE 41° 26’ 26.42” N LAT. 97° 20’ 40.53” W LONG.

**ANTENNA ID:** 1 3.8 meters Comtech 3.8

**Points of Communication:**

3700.0000 - 4200.0000 MHz 36M0G7W Network programming

**SITE ID:** 1

**LOCATION:** 1 Terminal Dr, Davidson, Nashville, TN 36° 7’ 44.30” N LAT. 86° 40’ 13.90” W LONG.
ANTENNA ID: 1 3 meters Prodelin 1134

3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181009–05053  E191431 AC Holdings, Inc.
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3087 Terminal Dr, Boone, Hebron, KY
39° 3' 26.30" N LAT. 84° 39' 51.40" W LONG.

ANTENNA ID: 1 2.4 meters Prodelin 1241

3700.0000 - 4200.0000 MHz 36M0G7F 0.00 dBW DVB-S2/AVC Video Services

Points of Communication:

1 - PERMITTED LIST - ()

 SES–REG–20181009–05057  E191435 CNN America, Inc.
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: reg2018
LOCATION: 6430 SUNSET BLVD. SUITE 300, Los Angeles, Los Angeles, CA
34° 5' 51.70" N LAT. 118° 19' 47.90" W LONG.

ANTENNA ID: 1 5 meters Radiation Systems Inc. 500

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO

3700.0000 - 4200.0000 MHz 11M5G7F 0.00 dBW ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO
| SITE ID:   | 2                  |
| LOCATION: | 6430 SUNSET BLVD. SUITE 300, Los Angeles, Los Angeles, CA |
| LAT:      | 34° 5' 51.70" N   |
| LONG:     | 118° 19' 47.90" W |
| ANTEENA ID: | 2                  |
| SIZE:     | 3.7 meters        |
| LOCATION: | VIKING            |
| ANTEENA ID: | 2                  |
| SIZE:     | 3.7 meters        |
| LOCATION: | VIKING            |
| Points of Communication: | 2 - PERMITTED LIST - () |
|             | 3 - PERMITTED LIST - () |
|             | reg2018 - PERMITTED LIST - () |
| Antenna ID: | 2                  |
| Frequency: | 3700.0000 - 4200.0000 MHz |
| Model:     | 11M5G7F           |
| Power:     | 0.00 dBW          |
| Service:   | ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO |
| Antenna ID: | 3                  |
| Frequency: | 3700.0000 - 4200.0000 MHz |
| Model:     | 36M0G7W           |
| Power:     | 0.00 dBW          |
| Service:   | ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO |
| Antenna ID: | 3                  |
| Frequency: | 3700.0000 - 4200.0000 MHz |
| Model:     | 36M0F8F           |
| Power:     | 0.00 dBW          |
| Service:   | ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS, COMPRESSED DIGITAL VIDEO AND AUDIO |

Points of Communication:

- **2 - PERMITTED LIST - ()**
- **3 - PERMITTED LIST - ()**
- **reg2018 - PERMITTED LIST - ()**

**SES–REG–20181009–05058**

<p>| Registration | 10/09/2018 - 10/09/2033 |
| Grant of Authority | Date Effective: 02/18/2020 |
| Class of Station: | Fixed Earth Stations |
| Nature of Service: | Fixed Satellite Service |</p>
<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LAT.</th>
<th>LONG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>424</td>
<td>9000 Middlebelt Rd, Wayne, Detroit, MI</td>
<td>42°12'28.30&quot;N</td>
<td>83°21'28.70&quot;W</td>
</tr>
</tbody>
</table>

**ANTENNA ID:** 1  
3.8 meters  
Patriot PRT-380  
3700.0000 - 4200.0000 MHz  
36M0G7F  
0.00 dBW  
DVB-S2/AVC Video Services

**Points of Communication:**

424 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Univision Salt Lake City LLC</th>
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</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td>Date Effective: 02/25/2020</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>
</tr>
</tbody>
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<table>
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<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LAT.</th>
<th>LONG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>11513 W.2616 North, Utah, Saratoga Springs, UT</td>
<td>40°16'45.00&quot;N</td>
<td>111°56'3.00&quot;W</td>
</tr>
</tbody>
</table>

**ANTENNA ID:** 1  
3.8 meters  
Comtech 829066-G2RC  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Video, Audio, and Data

**Points of Communication:**

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>KWEX License Partnership, L.P.</th>
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<td>Grant of Authority</td>
<td>Date Effective: 02/25/2020</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>
</tr>
</tbody>
</table>

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<table>
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<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LAT.</th>
<th>LONG.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10850 Elmendorf-Laveria Rd, Wilson, Adkins, TX</td>
<td>29°16'31.84&quot;N</td>
<td>98°15'53.44&quot;W</td>
</tr>
</tbody>
</table>

**ANTENNA ID:** 1  
3.7 meters  
DH Satellite Polar Mount  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Video, Audio, and Data

**Points of Communication:**

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

**Nature of Service:** Fixed Satellite Service

**SITE ID:** RO 4  
**LOCATION:** 250 Harbor Drive, Fairfield, Stamford, CT  
41 ° 2 ' 0.54 " N LAT. 73 ° 32 ' 0.13 " W LONG.

**ANTENNA ID:** 1  
7 meters  Scientific Atlanta  7M

3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video and Data

**Points of Communication:**

RO 4 - PERMITTED LIST - ()

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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** FTS  
**LOCATION:** 35 Skyline Drive, Seminole, Lake Mary, FL  
28 ° 44 ' 16.10 " N LAT. 81 ° 22 ' 9.50 " W LONG.

**ANTENNA ID:** 4.8  
4.8 meters  EASi  4.8

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

**ANTENNA ID:** 4.8  
4.5 meters  Andrew Corporation  4.5M

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

**ANTENNA ID:** 4.0M  
4 meters  Parabolic  4.0

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

**ANTENNA ID:** 4.8M  
4.8 meters  D&H  4.8

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

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

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1500 Eraste Landry Rd, Lafayette, Lafayette, LA
30 ° 13 ' 18.72 " N LAT. 92 ° 3 ' 50.44 " W LONG.

ANTENNA ID: Ant 1 4.6 meters Vertex 4.6
3700.0000 - 4200.0000 MHz 30M0G7W Digital Video

ANTENNA ID: Ant 2 4.6 meters Scientific Atlanta 8346
3700.0000 - 4200.0000 MHz 30M0G7W Digital Video

ANTENNA ID: Ant 3 4.6 meters Scientific Atlanta 8227DP
3700.0000 - 4200.0000 MHz 30M0G7W Digital Video

ANTENNA ID: Ant 4 4.2 meters DH AZEL42M
3700.0000 - 4200.0000 MHz 30M0G7W Digital Video

ANTENNA ID: Ant 5 3.8 meters DH AZEL38M
3700.0000 - 4200.0000 MHz 30M0G7W Digital Video
Points of Communication:

Logan UT - GALAXY 23 (S2592) - (121 W.L.)

**SES–REG–20181011–05308**  E200015  Urban One, Inc.
Registration  Grant of Authority  Date Effective: 02/19/2020
10/08/2018 - 10/08/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Baltimore

**LOCATION:** 1705 Whitehead Road, Baltimore, Baltimore, MD
39 ° 18 ' 51.10 " N LAT.  76 ° 44 ' 25.00 " W LONG.

**ANTENNA ID:** ANT1  3.7 meters  Viking  1374-990
3700.0000 - 4200.0000 MHz  36M0G7W  Digital audio

Points of Communication:

Baltimore - PERMITTED LIST - ()

**SES–REG–20181011–05311**  E200018  Urban One, Inc.
Registration  Grant of Authority  Date Effective: 02/19/2020
10/08/2018 - 10/08/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Charlotte

**LOCATION:** 8809 Lenox Pointe Drive, Mecklenburg, Charlotte, NC
35 ° 8 ' 6.00 " N LAT.  80 ° 56 ' 7.00 " W LONG.

**ANTENNA ID:** ANT1  3.8 meters  Patriot  PRT-380
3700.0000 - 4200.0000 MHz  36M0G7W  Digital audio

Points of Communication:

Charlotte - PERMITTED LIST - ()

**SES–REG–20181011–05313**  E200020  KEYE Licensee, LLC
Registration  Grant of Authority  Date Effective: 02/18/2020
10/11/2018 - 10/11/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
30 ° 23 ' 11.90 " N LAT.
LOCATION: 10700 Metric Blvd, Travis, Austin, TX
SITE ID: 111
97 ° 42 ' 43.90 " W LONG.

ANTENNA ID: 1
3.8 meters
Vertex
VER3.8

3700.0000 - 4200.0000 MHz
36M0G7W
Digital Video and Data

Points of Communication:

111 - PERMITTED LIST - ()

SES–REG–20181011–05314 E E200021 KZJL License LLC
Registration 10/11/2018 - 10/11/2033
Grant of Authority Date Effective: 02/18/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2945 Senior Rd, Missouri City, TX
29 ° 33 ' 44.00 " N LAT.
SITE ID: 1
LOCATION: 2945 Senior Rd, Missouri City, TX
29 ° 33 ' 44.00 " N LAT.
95 ° 30 ' 33.90 " W LONG.

ANTENNA ID: 1
4.5 meters
DH
D45MAE-MRC2

3700.0000 - 4200.0000 MHz
36M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

Registration 10/08/2018 - 10/08/2033
Grant of Authority Date Effective: 02/18/2020
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3250 Franklin Street, Wayne, Detroit, MI
42 ° 20 ' 22.25 " N LAT.
83 ° 0 ' 49.80 " W LONG.

ANTENNA ID: 1
3.7 meters
SAMI
SM12

3700.0000 - 4200.0000 MHz
36M0G7W
Digital audio

Points of Communication:
### WKYC-TV, LLC

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**SITE ID:** 1  
**LOCATION:** 6600 Broadview Road, Cuyahoga, Parma, OH  
41° 23’ 7.00” N LAT. 81° 41’ 18.60” W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Model</th>
<th>Power</th>
<th>Frequency</th>
<th>Polarization</th>
<th>Service Type</th>
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<tbody>
<tr>
<td>1</td>
<td>4.5</td>
<td>Patriot</td>
<td>0.00 dBW</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital video and data</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>4.5</td>
<td>ASC Signal</td>
<td>0.00 dBW</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital video and data</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>7</td>
<td>Scientific Atlanta</td>
<td>0.00 dBW</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital video and data</td>
<td></td>
</tr>
</tbody>
</table>

### WPEC Licensee, LLC

**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service  
**SITE ID:** 1  
**LOCATION:** 1100 Fairfield Drive, Palm Beach, West Palm Beach, FL  
26° 45’ 39.50” N LAT. 80° 4’ 9.00” W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Model</th>
<th>Power</th>
<th>Frequency</th>
<th>Polarization</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4.5</td>
<td>EASi</td>
<td>EAS4.5</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>Digital Video and Data</td>
<td></td>
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<tr>
<td>2</td>
<td>4.2</td>
<td>Patriot</td>
<td>PRT420</td>
<td>3700.0000 - 4200.0000 MHz</td>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

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<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Diam.</th>
<th>Antenna ID</th>
<th>Frequency</th>
<th>Polarization</th>
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<tbody>
<tr>
<td>1</td>
<td>Keith O'Malley, Norfolk, Norfolk, VA</td>
<td>1</td>
<td>3.8 meters</td>
<td>Comtech</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>4.5 meters</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>3.7 meters</td>
<td>AFC</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>3.7 meters</td>
<td>PRODELIN</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5</td>
<td>3.8 meters</td>
<td>Comtech</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<tr>
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<td></td>
<td>6</td>
<td>4.5 meters</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
</tr>
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<td>2</td>
<td>5525 Nansemond Parkway, Suffolk, Suffolk, VA</td>
<td>7</td>
<td>4.5 meters</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<tr>
<td></td>
<td></td>
<td>8</td>
<td>4.5 meters</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<tr>
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<td></td>
<td>9</td>
<td>7.3 meters</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<tr>
<td></td>
<td></td>
<td>10</td>
<td>7.3 meters</td>
<td>Andrew</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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Points of Communication:

1 - PERMITTED LIST - ()

2 - PERMITTED LIST - ()

<table>
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<th>Registration</th>
<th>Grant of Authority</th>
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<th>Site ID</th>
<th>Location</th>
<th>Antenna ID</th>
<th>Nature of Service</th>
<th>Notes</th>
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<tr>
<td>SES−REG−20181011−05320</td>
<td>10/11/2018 - 10/11/2033</td>
<td>Fixed Earth Stations</td>
<td>1</td>
<td>2693 10th Ave NE, Benton, Sauk Rapids, MN</td>
<td>38DH4</td>
<td>Broadcast Audio / Video</td>
<td>PERMITTED LIST - ()</td>
</tr>
<tr>
<td>SES−REG−20181011−05321</td>
<td>10/11/2018 - 10/11/2033</td>
<td>Fixed Earth Stations</td>
<td>1</td>
<td>3501 Farnam St., Omaha, DC</td>
<td>5M</td>
<td></td>
<td>PERMITTED LIST - ()</td>
</tr>
</tbody>
</table>
3700.0000 - 4200.0000 MHz  36M0G7F

ANTENNA ID:  5
5 meters  Comtech  5M

3700.0000 - 4200.0000 MHz  36M0G7F

ANTENNA ID:  6
3.7 meters  AFC  3.7M

3700.0000 - 4200.0000 MHz  36M0G7F

ANTENNA ID:  7
3.8 meters  DH Satellite  DH-38M

3700.0000 - 4200.0000 MHz  36M0G7F

ANTENNA ID:  8
4 meters  Unknown  Unknown

3700.0000 - 4200.0000 MHz  36M0G7F

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181011–05323  E  E200029  WCTI Licensee, LLC
Registration  10/11/2018 - 10/11/2033
Grant of Authority  Date Effective:  02/18/2020

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

SITE ID:  1
LOCATION:  225 Glenburnie Drive, Craven, New Bern, NC
35 ° 8 ' 4.70 " N LAT.  77 ° 3 ' 47.90 " W LONG.

ANTENNA ID:  1
4.5 meters  DH Satellite  45DH1

3700.0000 - 4200.0000 MHz  36M0G7W
Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181011–05324  E  E200030  WCTI Licensee, LLC
Registration  10/11/2018 - 10/11/2033
Grant of Authority  Date Effective:  02/18/2020

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

SITE ID:  1
LOCATION:  225 Glenburnie Drive, Craven, New Bern, NC
35 ° 8 ' 4.20 " N LAT.  77 ° 3 ' 47.10 " W LONG.
ANTENNA ID: 1 4.5 meters DH Satellite 45DH1

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

Antenna ID: 1

ANTENNA ID: 3.8 meters Comsat Systems Pvt Ltd 3.8M Offset

3700.0000 - 4200.0000 MHz 36M0D7W

Points of Communication:

1 - PERMITTED LIST - ()

Registration SES-REG-20181011-05328 CALIFORNIA OREGON BROADCASTING, INC.
Grant of Authority 10/11/2018 - 10/11/2033
Date Effective: 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

LOCATION: 4585 Blanton Road, LANE, EUGENE, OR 44 ° 0’ 3.60 ” N LAT. 123 ° 6’ 44.40 ” W LONG.

ANTENNA ID: 1 3.8 meters Comsat Systems Pvt Ltd 3.8M Offset

3700.0000 - 4200.0000 MHz 36M0D7W

Registration SES-REG-20181011-05329 Multimedia Holdings Corporation
Grant of Authority 10/11/2018 - 10/11/2033
Date Effective: 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

LOCATION: 200 East Van Buren, Maricopa, Phoenix, AZ 33 ° 27 ’ 6.90 ” N LAT. 112 ° 4’ 14.60 ” W LONG.

ANTENNA ID: 1 3.7 meters Andrew Parabolic/Front Feed

3700.0000 - 4200.0000 MHz 36M0G7W QPSK, DVBS, DVBS2 video services

ANTENNA ID: 2 3.7 meters Andrew Parabolic/Front Feed

3700.0000 - 4200.0000 MHz 36M0G7W QPSK, DVBS, DVBS2 video services

ANTENNA ID: 3 3.7 meters Andrew Parabolic/Front Feed

3700.0000 - 4200.0000 MHz 36M0G7W QPSK, DVBS, DVBS2 video services

ANTENNA ID: 4 4.5 meters Andrew Parabolic/Front Feed

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### Points of Communication:

<table>
<thead>
<tr>
<th>Antenna ID</th>
<th>Diameter (m)</th>
<th>Location</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>4.5</td>
<td>Andrew</td>
<td>QPSK, DVBS, DVBS2 video services</td>
</tr>
<tr>
<td>6</td>
<td>3</td>
<td>Andrew</td>
<td>QPSK, DVBS, DVBS2 video services</td>
</tr>
<tr>
<td>7</td>
<td>3</td>
<td>Andrew</td>
<td>QPSK, DVBS, DVBS2 video services</td>
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</tbody>
</table>

Points of Communication:

<table>
<thead>
<tr>
<th>Antenna ID</th>
<th>Diameter (m)</th>
<th>Location</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
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<td>3.1</td>
<td>Patriot</td>
<td>Digital Video and Data</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
<td>DH</td>
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<tr>
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<td>Comtech</td>
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**Points of Communication:**

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<th>Location</th>
<th>Service Type</th>
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**SES–REG–20181011–05330**

**Registration**

| E200036 | WJAR Licensee, LLC |

**Grant of Authority**

| Date Effective: | 02/18/2020 |

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 23 Kenney Drive, Providence, Cranston, RI

41 ° 44 ' 30.60 " N LAT. 71 ° 27 ' 15.90 " W LONG.
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1078 25th Road, Kearney, Axtell
40° 29' 35.00" N LAT.
99° 4' 59.10" W LONG.

ANTENNA ID: 1 4.5 meters Andrew ESA45

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 2 3.7 meters DH 37DHI

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 210 South D ST, United States, Oskaloosa, IA
41° 17' 38.28" N LAT.
92° 38' 52.27" W LONG.

ANTENNA ID: 1 4.5 meters Superior Satellite Engineers Series 8345

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

ANTENNA ID: 2 3.7 meters PRODELIN Series 1374-1375

3700.0000 - 4200.0000 MHz 36M0G7W 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: 1100 Fairfield Drive, Palm Beach, West Palm Beach, FL
26° 45’ 37.80” N LAT. 80° 4’ 9.60” W LONG.

ANTENNA ID: 1 3.5 meters Prodelin PRO3.5

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES−REG−20181011−05337 E200043 Results Broadcasting of Iron Mountain, Inc.
Registration Grant of Authority Date Effective: 10/09/2018 - 10/09/2033 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 212 West J Street, Dickinson, Iron Mountain, MI
45° 48’ 35.52” N LAT. 88° 4’ 11.14” W LONG.

ANTENNA ID: 1 3.7 meters DawnCo D37F48-4PC-5.5

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

Points of Communication:

1 - PERMITTED LIST - ()

SES−REG−20181011−05338 E200044 WMMP Licensee L.P.
Registration Grant of Authority Date Effective: 10/11/2018 - 10/11/2033 02/18/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 888 Allbritton Blvd, Charleston, Mount Pleasant, SC
32° 48’ 30.30” N LAT. 79° 52’ 19.20” W LONG.

ANTENNA ID: 1 3 meters Unimesh 10AL

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 2 3.8 meters DH 38DHI
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<th>Antenna ID</th>
<th>Frequency</th>
<th>Nature of Service</th>
<th>Class of Station</th>
</tr>
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<td>3700.0000 - 4200.0000 MHz</td>
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<td>Fixed Earth Stations</td>
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### Class of Station: Fixed Earth Stations

### Nature of Service: Fixed Satellite Service

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<th>ANTENNA ID</th>
<th>Frequency</th>
<th>Nature of Service</th>
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<td>10700 Metric Blvd, Travis, Austin, TX</td>
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### Points of Communication:

1 - PERMITTED LIST - ()

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<td>VER6.1</td>
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### Class of Station: Fixed Earth Stations

### Nature of Service: Fixed Satellite Service

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<th>LOCATION</th>
<th>ANTENNA ID</th>
<th>Frequency</th>
<th>Nature of Service</th>
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<tr>
<td>1</td>
<td>1078 25th Road, Kearney, Axtell, NE</td>
<td>CN138-750-01</td>
<td>3700.0000 - 4200.0000 MHz</td>
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**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Louisville

**LOCATION:** 520 W. Chestnut Street, Jefferson, Louisville, KY

38° 14' 56.00" N LAT. 85° 45' 38.00" W LONG.

**ANTENNA ID:**

- **a:** 7.3 meters Andrew 36M0G7W 3700.0000 - 4200.0000 MHz
- **b:** 4.5 meters Andrew 36M0G7W 3700.0000 - 4200.0000 MHz
- **c:** 5.6 meters Andrew 5.6m 36M0G7W 3700.0000 - 4200.0000 MHz
- **d:** 5.6 meters Andrew 5.6m 36M0G7W 3700.0000 - 4200.0000 MHz
- **e:** 5.6 meters Andrew 5.6m 36M0G7W 3700.0000 - 4200.0000 MHz
- **f:** 3.8 meters Patriot PRT-380 36M0G7W 3700.0000 - 4200.0000 MHz
- **g:** 3.8 meters Comtech COM38M 36M0G7W 3700.0000 - 4200.0000 MHz

**Points of Communication:**

Louisville - PERMITTED LIST - ()

---

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
SITE ID: KAAL-AUSTIN
LOCATION: 1701 10TH PLACE NE, MOWER, AUSTIN, MN
LAT: 43° 40' 32.40" N
LONG: 92° 57' 8.40" W

ANTENNA ID: KAAL AUST
3.7 meters
UNIMESH
3.7

Points of Communication:

KAAL-AUSTIN - PERMITTED LIST - ()

SES-REG-20181011-05380 E E200085 Northwest Community Communications, Inc.
Registration Grant of Authority
10/11/2018 - 10/11/2033 Date Effective: 02/24/2020

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

SITE ID: Amery Head End
LOCATION: 631 Development BLVD, Polk, Amery, WI
LAT: 45° 18' 36.00" N
LONG: 92° 20' 32.00" W

ANTENNA ID: 5M
5 meters
Microdyne
SATRO-5M

Points of Communication:

Amery Head End - PERMITTED LIST - ()

SES-REG-20181011-05381 E E200086 Davidson County Broadcasting Company
Registration Grant of Authority
10/10/2018 - 10/10/2033 Date Effective: 02/24/2020

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

SITE ID: Main Studio
LOCATION: 200 Radio Drive Lexington, NC, Davidson, lexington, NC
LAT: 35° 50' 4.80" N
LONG: 80° 14' 3.00" W

ANTENNA ID: 12M
10 meters
Harris
C-10

Points of Communication:
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WOLF Studio
LOCATION: 1181 Highway 315, Luzerne, Wilkes-Barre, PA
41° 15’ 37.15” N LAT. 75° 49’ 3.91” W LONG.

ANTENNA ID: 3 3 meters Patriot. PRT300
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 1 5 meters DH DHM5.0
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 2 3.8 meters Patriot PRT380
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 4 3.8 meters DH DHM3.8
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 5 4.5 meters AFC AFCM4.5
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 6 3.8 meters Miralite MRLM3.8
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

Points of Communication:

WOLF Studio - PERMITTED LIST - ()
ANTENNA ID: 1 4.5 meters SES 45-4-1-B
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Analog Video with associated subcarriers

ANTENNA ID: 2-7 3.8 meters Patriot Comm 3.8M Az-El
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Modulation and Services Analog Video with associated subcarriers

Points of Communication:

Clearwater Headend - PERMITTED LIST - ()

SES-RWL-20200213-00166 E050091 Ohio University
Renewal Grant of Authority 04/05/2020 - 04/05/2035 Date Effective: 02/24/2020
Class of Station: Fixed Earth Stations
Nature of Service: Domestic Fixed Satellite Service
SITE ID: 1
LOCATION: 9 SOUTH COLLEGE STREET (WOUB-FM), ATHENS, ATHENS, OH
39° 19' 41.20" N LAT. 82° 6' 1.50" W LONG.
ANTENNA ID: 1 3.7 meters PRODELIN 136-750
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

SES-RWL-20200214-00157 E950149 RigNet SatCom, Inc.
Renewal Grant of Authority 05/05/2020 - 05/05/2035 Date Effective: 02/18/2020
Class of Station: VSAT Network
Nature of Service: Fixed Satellite Service
SITE ID: 2-REMOTE
LOCATION: 58 INVERNESS DRIVE EAST (.98M. VSAT), CONUS, 1200 UNITS
ANTENNA ID: 2 .98 meters PRODELIN 1981 .98M.
14000.0000 - 14500.0000 MHz 19K2G7D 38.16 dBW 19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER
14000.0000 - 14500.0000 MHz 38K4G7D 38.16 dBW 38.4 KBPS, DPSK, FEC EQUALS ONE HALF
<table>
<thead>
<tr>
<th>Frequency</th>
<th>Power</th>
<th>Modulation</th>
<th>FEC</th>
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<th>LOCATION:</th>
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<tbody>
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<td>76K8G7D</td>
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<td>3-REMOTE</td>
<td>58 INVERNESS DRIVE EAST (1.2M. VSAT), CONUS, (5000 UNITS)</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
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<td>38K4G7D</td>
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<td>14000.0000 - 14500.0000 MHz</td>
<td>38.16 dBW</td>
<td>64K8G7D</td>
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<td>14000.0000 - 14500.0000 MHz</td>
<td>76.8 KBPS, MSK, FEC EQUALS ONE HALF</td>
<td>76K8G7D</td>
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<td>14000.0000 - 14500.0000 MHz</td>
<td>38.4 KBPS, MSK, FEC EQUALS ONE HALF</td>
<td>38K4G7D</td>
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<td>11700.0000 - 12200.0000 MHz</td>
<td>64 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
<td>64K8G7D</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>1024 KBPS, QPSK, FEC EQUALS ONE HALF</td>
<td>1M02G7D</td>
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<td>11700.0000 - 12200.0000 MHz</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>128 KBPS, BPSK, FEC EQUALS ONE HALF</td>
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### SITE ID: 3-REMOTE
### LOCATION: 58 INVERNESS DRIVE EAST (1.2M. VSAT), CONUS, (5000 UNITS)

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<th>FEC</th>
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<td>38K4G7D</td>
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<td>14000.0000 - 14500.0000 MHz</td>
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<td>76K8G7D</td>
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<td>14000.0000 - 14500.0000 MHz</td>
<td>39.92 dBW</td>
<td>38K4G7D</td>
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<td>LOCATION:</td>
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<td>43.20 dBW</td>
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<td>14000.0000 - 14500.0000 MHz</td>
<td>19K2G7D</td>
<td>39.92 dBW</td>
<td>19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>38K4G7D</td>
<td>39.92 dBW</td>
<td>38.4 KBPS, DPSK, FEC EQUALS ONE HALF</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>76K8G7D</td>
<td>39.92 dBW</td>
<td>76.8 KBPS, MSK, FEC EQUALS ONE HALF</td>
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<td>14000.0000 - 14500.0000 MHz</td>
<td>38K4G7D</td>
<td>39.92 dBW</td>
<td>38.4 KBPS, MSK, FEC EQUALS ONE HALF</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>112KG7D</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>1M54G7D</td>
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<td>11700.0000 - 12200.0000 MHz</td>
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<td>11700.0000 - 12200.0000 MHz</td>
<td>5M40G7D</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>64KG7D</td>
<td>64 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
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<td>11700.0000 - 12200.0000 MHz</td>
<td>1M02G7D</td>
<td>1024 KBPS, QPSK, FEC EQUALS ONE HALF</td>
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<tr>
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<td>256KG7D</td>
<td>256 KBPS, BPSK, FEC EQUALS ONE HALF</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>128KG7D</td>
<td>128 KBPS, BPSK, FEC EQUALS ONE HALF</td>
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<th>1-HUB</th>
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<tbody>
<tr>
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<td>58 INVERNESS DRIVE EAST (6.1M. HUB), ARAPAHOE, ENGLEWOOD, CO</td>
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<tr>
<td></td>
<td>39 ° 34 ' 33.00 &quot; N LAT.</td>
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<tr>
<td></td>
<td>104 ° 51 ' 16.00 &quot; W LONG.</td>
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<tr>
<th>ANTENNA ID</th>
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<th>6.1 meters</th>
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<th>6.1 KPK</th>
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<tbody>
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<td>1M54G7D</td>
<td>60.10 dBW</td>
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<td>Power</td>
<td>Modulation</td>
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<td>14000.0000 - 14500.0000 MHz</td>
<td>256KG7D</td>
<td>51.03 dBW</td>
<td>256 KBPS, BPSK, FEC EQUALS ONE HALF</td>
<td></td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>5M40G7D</td>
<td>60.10 dBW</td>
<td>64 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
<td></td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>64KG7D</td>
<td>40.75 dBW</td>
<td>64 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>1M01F7D</td>
<td>57.61 dBW</td>
<td>1024 KBPS, QPSK, FEC EQUALS ONE HALF</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>112KG7D</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>19K2G7D</td>
<td></td>
<td>19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>38K4G7D</td>
<td></td>
<td>38.4 KBPS, DPSK, FEC EQUALS ONE HALF</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>76K8G7D</td>
<td></td>
<td>76.8 KBPS, MSK, FEC EQUALS ONE HALF</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>38K4G7D</td>
<td></td>
<td>38.4 KBPS, MSK, FEC EQUALS ONE HALF</td>
<td></td>
</tr>
<tr>
<td>SITE ID: 5-REMOTE</td>
<td>LOCATION: 58 INVERNESS DRIVE EAST (1.8M. VSAT), CONUS, (3000 UNITS)</td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Current Frequencies</th>
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<tbody>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
</tr>
</tbody>
</table>

Page 58 of 67
<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>6-REMOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>58 INVERNESS DRIVE EAST (1.8M. VSAT), CONUS, (3000 UNITS)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ID:</td>
<td>6-REMOTE</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>58 INVERNESS DRIVE EAST (1.8M. VSAT), CONUS, (3000 UNITS)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>MODULATION</th>
<th>RATE</th>
<th>QPSK, DPSK, MSK, or BPSK</th>
</tr>
</thead>
<tbody>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>QPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>1024 KBPS</td>
<td>1M02G7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>BPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>256 KBPS</td>
<td>256KG7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>BPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>128 KBPS</td>
<td>128KG7D</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>MODULATION</th>
<th>RATE</th>
<th>QPSK, DPSK, MSK, or BPSK</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>QPSK, 1/2 RATE FEC BPSK</td>
<td>56 KBPS</td>
<td>5M40G7D</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>DPSK, FEC EQUALS ONE QUARTER</td>
<td>19.2 KBPS</td>
<td>1M54G7D</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>DPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>38.4 KBPS</td>
<td>64KG7D</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>MSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>76.8 KBPS</td>
<td>64KG7D</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>MSK, FEC EQUALS ONE ( \frac{1}{4} ) RATE</td>
<td>38.4 KBPS</td>
<td>64KG7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>1/2 RATE FEC QPSK</td>
<td>6750 KBPS</td>
<td>8M4F7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>DPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>56 KBPS</td>
<td>5M40G7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>ANALOG VIDEO FREQUENCY MODULATION</td>
<td>24M0F3F</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>DPSK, FEC EQUALS ONE ( \frac{1}{4} ) RATE</td>
<td>64 KBPS</td>
<td>3M4G7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>QPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>1024 KBPS</td>
<td>1M02G7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>BPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>256 KBPS</td>
<td>256KG7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>BPSK, FEC EQUALS ONE ( \frac{1}{4} ) RATE</td>
<td>128 KBPS</td>
<td>128KG7D</td>
</tr>
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<table>
<thead>
<tr>
<th>SITE ID:</th>
<th>7-REMOTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCATION:</td>
<td>58 INVERNESS DRIVE EAST (2.4M. VSAT), CONUS, (500 UNITS)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>SITE ID:</td>
<td>7-REMOTE</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>58 INVERNESS DRIVE EAST (2.4M. VSAT), CONUS, (500 UNITS)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>MODULATION</th>
<th>RATE</th>
<th>QPSK, DPSK, MSK, or BPSK</th>
</tr>
</thead>
<tbody>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>DPSK or BPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>64 KBPS</td>
<td>64KG7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>MSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>76.8 KBPS</td>
<td>64KG7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>MSK, FEC EQUALS ONE ( \frac{1}{4} ) RATE</td>
<td>38.4 KBPS</td>
<td>38K4G7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>MSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>76.8 KBPS</td>
<td>38K4G7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>QPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>1024 KBPS</td>
<td>38K4G7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>BPSK, FEC EQUALS ONE ( \frac{1}{2} ) RATE</td>
<td>256 KBPS</td>
<td>38K4G7D</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>BPSK, FEC EQUALS ONE ( \frac{1}{4} ) RATE</td>
<td>128 KBPS</td>
<td>38K4G7D</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>Bandwidth</td>
<td>Power</td>
<td>Modulation and FEC</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-----------</td>
<td>--------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>128KG7D</td>
<td>50.10 dBW</td>
<td>19.2 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>112KG7D</td>
<td>49.60 dBW</td>
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</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>256KG7D</td>
<td>51.10 dBW</td>
<td>76.8 KBPS, MSK, FEC EQUALS ONE HALF</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>19K2G7D</td>
<td>45.94 dBW</td>
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</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>112KG7D</td>
<td>64 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>64KG7D</td>
<td>64 KBPS, DPSK, FEC EQUALS ONE QUARTER</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>1M02G7D</td>
<td>1024 KBPS, QPSK, FEC EQUALS ONE HALF</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>256KG7D</td>
<td>256 KBPS, BPSK, FEC EQUALS ONE HALF</td>
<td></td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>128KG7D</td>
<td>128 KBPS, BPSK, FEC EQUALS ONE HALF</td>
<td></td>
</tr>
</tbody>
</table>

**Points of Communication:**

1-HUB - PERMITTED LIST - ()
2-REMOTE - PERMITTED LIST - ()
3-REMOTE - PERMITTED LIST - ()
4-REMOTE - PERMITTED LIST - ()
5-REMOTE - PERMITTED LIST - ()
6-REMOTE - PERMITTED LIST - ()
7-REMOTE - PERMITTED LIST - ()

---

**Board of Trustees, University of Florida**

Grant of Authority: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service
SITE ID: 1
LOCATION: 204 TIGERT HALL, GAINESVILLE, FL
29 ° 39 ’ 20.00 ” N LAT. 82 ° 19 ’ 38.00 ” W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC ATLANTA 8345

14000.0000 - 14500.0000 MHz 1M98G7W 59.30 dBW
11700.0000 - 12200.0000 MHz 1M98G7W

Points of Communication:

1 - PERMITTED LIST - ()

SES–RWL–20200220–00172 E E950172 Comcast Cable Communications Management, LLC
Renewal Date Effective: 03/31/2020 - 03/31/2035
Grant of Authority

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

SITE ID: 1
LOCATION: 7235 W. TITAN ROAD, DOUGLAS, TITAN (#10), CO
39 ° 30 ’ 51.00 ” N LAT. 105 ° 1 ’ 27.50 ” W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC-ATLANTA 8010K

14000.0000 - 14500.0000 MHz 36M0F8W 78.00 dBW
14000.0000 - 14500.0000 MHz 36M0F9W 78.00 dBW
14000.0000 - 14500.0000 MHz 36M0G7W 78.00 dBW

Points of Communication:

1 - PERMITTED LIST - ()

SES–RWL–20200220–00173 E E950173 Comcast Cable Communications Management, LLC
Renewal Date Effective: 03/31/2020 - 03/31/2035
Grant of Authority

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

SITE ID: 1
LOCATION: 7235 W. TITAN ROAD, DOUGLAS, TITAN (#11), CO
39 ° 30 ’ 51.00 ” N LAT. 105 ° 1 ’ 27.00 ” W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC-ATLANTA 8010K

14000.0000 - 14500.0000 MHz 36M0F8W 78.00 dBW
On February 19, 2020, SES Americom, Inc. was granted special temporary authority for 30 days, beginning February 19, 2020, to operate its fixed earth station in Mt. Airy, MD to provide telemetry, tracking and command (TT&C) services for the NSS-6 satellite at the 86.8° W.L. orbital location in the 11198.0 MHz and 11199.5 MHz (space-to-Earth), and 14496.0 MHz and 14499.0 MHz (Earth-to-space) frequency bands. SES is not seeking U.S. market access for the satellite.

On February 19, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning February 19, 2020, to operate a 7.3-meter antenna at its teleport in Paumalu, HI to provide telemetry, tracking, and command (TT&C) services for the HISPASAT 143W-1 satellite during its drift from the 30° W.L. orbital location to the 143° W.L. orbital location in the 2072.7958 MHz (Earth-to-space) and 2251.0 MHz (space-to-Earth) frequency bands.

On February 19, 2020, Intelsat License LLC was granted special temporary authority for 60 days, beginning February 19, 2020, to continue to operate its fixed earth station in Hagerstown, MD to provide telemetry, tracking and command (TT&C) services for the Galaxy 11 (S2253) satellite at the 93.1° W.L. orbital location. TT&C operations will continue to be performed in the 14000.5 MHz and 14498.5 MHz (Earth-to-space), and 11701.0 MHz and 11702.0 MHz (space-to-Earth) frequency bands.
On February 19, 2020, SES Americom, Inc. was granted special temporary authority for 60 days, beginning February 19, 2020, to operate its fixed earth station in Kooluloa, HI to conduct antenna verification tests with the NSS-11 satellite at the 176° E.L. orbital location in the 14.0-14.5 GHz (Earth-to-space), and 10.95-11.2 GHz, 11.45-11.7 GHz, 12.25-12.75 GHz (space-to-Earth) frequency bands.

**Points of Communication:**

<table>
<thead>
<tr>
<th>SES–STA–20200204–00117</th>
<th>E050318</th>
<th>ViaSat, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Temporary Authority</td>
<td></td>
<td>Grant of Authority</td>
</tr>
</tbody>
</table>

**Class of Station:**

On February 24, 2020, ViaSat, Inc. (ViaSat) was granted special temporary authority for 60 days, to testing, evaluation customer service during long-haul international routes outside of CONUS using five earth station aboard aircraft (ESAA) KuKarray terminals in the 14.0-14.5 GHz (Earth-to-space) and 11.45-12.2 GHz (space-to-Earth) frequency bands over the Pacific Ocean Region, Alaska, and Hawaii with Eutelsat 174A (S2610) satellite at the 174° W.L. orbital location over the Gulf of Mexico, Latin America, and Caribbean region with SES-10 (S2950) satellite at the 67° W.L. orbital location.

**Points of Communication:**

<table>
<thead>
<tr>
<th>SES–STA–20200204–00122</th>
<th>GUSA Licensee LLC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Temporary Authority</td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:**

On February 24, 2020, GUSA Licensee LLC was granted special temporary authority for 60 days, to operate its C-band fixed earth station in Clifton, TX with NGSO satellite system Globalstar Big LEO MSS (S2115) satellite system, and French licensed NGSO HIBLEO-X GLOBALSTAR 2.0 satellite system to conduct antenna verification testing on center frequencies: 5091-5250 MHz (Earth-to-space) and 6875-7055 MHz (space-to-Earth).

**Points of Communication:**

<table>
<thead>
<tr>
<th>SES–STA–20200207–00135</th>
<th>E190068</th>
<th>Hawaii Pacific Teleport, L.P.</th>
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</thead>
<tbody>
<tr>
<td>Special Temporary Authority</td>
<td></td>
<td>Grant of Authority</td>
</tr>
</tbody>
</table>

**Class of Station:**

On February 24, 2020, Hawaii Pacific Teleport, L.P. was granted special temporary authority for 60 days, beginning March 7, 2020, to operate its fixed earth station in Pulantat, Guam to communicate with the JSAT-2B 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:**

<table>
<thead>
<tr>
<th>SES–STA–20200207–00137</th>
<th>E190102</th>
<th>Hawaii Pacific Teleport, L.P.</th>
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</thead>
<tbody>
<tr>
<td>Special Temporary Authority</td>
<td></td>
<td>Grant of Authority</td>
</tr>
</tbody>
</table>
On February 24, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning February 24, 2020, to operate a 23-cm Ku-band antenna in Melbourne, FL and Hagerstown, MD to conduct antenna verification testing with Galaxy 11 (S2253) satellite at the 44.9° E.L. orbital location in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.18 GHz (space-to-Earth) frequency bands.

Points of Communication:

On February 20, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning February 20, 2020, to operate its fixed earth station in Riverside, CA to conduct testing of the HISPASAT 143W-1 satellite at the 143° W.L. orbital location in the 14399-14435 MHz (Earth-to-space) and 11599-11635 MHz (space-to-Earth) frequency bands.

Points of Communication:

On February 24, 2020, Intelsat License LLC was granted special temporary authority for 30 days, to provide back-up telemetry, tracking and command services for HYLAS-1 satellite on-station at the 79.0° W.L. orbital location using center frequencies: 17302.048 MHz and 17305.051 MHz (Earth-to-space); and 11701.008 MHz and 11702.808 MHz (space-to-Earth) from its Castle Rock, CO fixed earth station via Intelsat's KA258 earth station in Hagerstown, MD.

Points of Communication:

CORRECTIONS

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.
The February 19, 2020 public notice is corrected as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00879 E170154 HNS License Sub, LLC

The February 19, 2020 public notice is corrected as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00880 E170155 HNS License Sub, LLC

The February 19, 2020 public notice is corrected as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00881 E170156 HNS License Sub, LLC

The February 19, 2020 public notice is corrected as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00882 E170157 HNS License Sub, LLC

The February 19, 2020 public notice is corrected as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00883 E170158 HNS License Sub, LLC

The February 19, 2020 public notice is corrected as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00884 E170159 HNS License Sub, LLC

The February 19, 2020 public notice is corrected as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00885 E170160 HNS License Sub, LLC
INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00886   E170161   HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00887   E170162   HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00888   E170163   HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00889   E170164   HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00890   E170165   HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00891   E170166   HNS License Sub, LLC

The February 19, 2020 public notice is corrected the read as follows:

INFORMATIVE -

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

SES-LIC-20170807-00892   E170167   HNS License Sub, LLC
**CORRECTIONS**

The February 19, 2020 public notice is corrected to read as follows:

**INFORMATIVE -**

The Satellite Division has designated the above-captioned proceedings as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective February 14, 2020. We find that designating this proceeding as "permit-but-disclose" will serve the public interest by facilitating the resolution of broad policy issues raised by the application. See 47 CFR §§ 1.1200(a), 1.1206 and 1.1208 note 2.

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Dismissing application pursuant to the temporary freeze on applications for new or modified FSS earth stations announced in Temporary Freeze on Applications for New or Modified Fixed Satellite Service Earth Stations and Fixed Microwave Stations in the 3.7-4.2 GHz Band; 90-Day Window to File Applications for Earth Stations Currently Operating in 3.7-4.2 GHz Band, Public Notice, 33 FCC Rcd. 3841 (IB/PHSB/WTB 2018).

License surrendered by letter filed on February 18, 2020.

License surrendered by letter filed on February 18, 2020.

License surrendered by letter filed on February 18, 2020.

License surrendered by letter filed on February 18, 2020.

License surrendered by letter filed on February 18, 2020.

License surrendered by letter filed on February 18, 2020.

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