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

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 15590 N.W. 15TH AVE., DADE, MIAMI, FL

25 ° 54 ’ 59.30 ” N LAT.

80 ° 13 ’ 29.20 ” W LONG.

**ANTENNA ID:** 4.5 C

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Distance</th>
<th>Power</th>
<th>Modulation</th>
<th>Nature of Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>6391.0000 - 6425.0000 MHz</td>
<td>4.5 meters</td>
<td>67.70 dBW</td>
<td>digital modulation, voice and data services</td>
<td></td>
</tr>
<tr>
<td>6391.0000 - 6425.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital modulation, voice and data services</td>
<td></td>
</tr>
<tr>
<td>6331.0000 - 6359.0000 MHz</td>
<td>28M0G7W</td>
<td>67.70 dBW</td>
<td>digital modulation, voice and data services</td>
<td></td>
</tr>
<tr>
<td>6331.0000 - 6359.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital modulation, voice and data services</td>
<td></td>
</tr>
<tr>
<td>6272.0000 - 6299.0000 MHz</td>
<td>27M0G7W</td>
<td>67.70 dBW</td>
<td>digital modulation, voice and data services</td>
<td></td>
</tr>
<tr>
<td>6272.0000 - 6299.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital modulation, voice and data services</td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>Antenna ID</td>
<td>Power (dBW)</td>
<td>Modulation Services</td>
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</tr>
<tr>
<td>----------------------------</td>
<td>------------</td>
<td>-------------</td>
<td>--------------------------------------</td>
<td></td>
</tr>
<tr>
<td>6168.0000 - 6240.0000 MHz</td>
<td>45M0G7W</td>
<td>67.70 dBW</td>
<td>digital modulation, voice and data</td>
<td></td>
</tr>
<tr>
<td>6168.0000 - 6240.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital modulation, voice and data</td>
<td></td>
</tr>
<tr>
<td>6079.0000 - 6107.0000 MHz</td>
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<td>67.70 dBW</td>
<td>digital modulation, voice and data</td>
<td></td>
</tr>
<tr>
<td>6079.0000 - 6107.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital modulation, voice and data</td>
<td></td>
</tr>
<tr>
<td>6020.0000 - 6047.0000 MHz</td>
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<td>67.70 dBW</td>
<td>digital modulation, voice and data</td>
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<tr>
<td>6020.0000 - 6047.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital modulation, voice and data</td>
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<tr>
<td>5961.0000 - 5988.0000 MHz</td>
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<td>67.70 dBW</td>
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<tr>
<td>5961.0000 - 5988.0000 MHz</td>
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<td>59.00 dBW</td>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
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<td>52.80 dBW</td>
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</tr>
<tr>
<td>5925.0000 - 5929.0000 MHz</td>
<td>4M00G7W</td>
<td>59.00 dBW</td>
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<tr>
<td>5925.0000 - 5929.0000 MHz</td>
<td>128KG7D</td>
<td>67.70 dBW</td>
<td>digital modulation, voice and data</td>
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</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>45M0G7W</td>
<td></td>
<td>digital modulation, voice and data</td>
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<td>3700.0000 - 4200.0000 MHz</td>
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<td>digital modulation, voice and data</td>
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</tr>
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**ANTENNA ID:** 4.5 Ku 4.5 meters **ANDREW CORPORATION** ES45MP-1

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power (dBW)</th>
<th>Modulation Services</th>
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<tbody>
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<td>14000.0000 - 14500.0000 MHz</td>
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<td>54.95 dBW</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>45M0G7W</td>
<td>74.86 dBW</td>
<td>digital modulation, voice and data</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>128KG7D</td>
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<td>digital modulation, voice and data</td>
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<td>11700.0000 - 12200.0000 MHz</td>
<td>45M0G7W</td>
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**ANTENNA ID:** ES 3 4.6 meters **ANDREW CORPORATION** ES46MP-1

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<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Gain (dBW)</th>
<th>Description</th>
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<td>14000.0000 - 14500.0000 MHz</td>
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<td>75.96 dBW</td>
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<td>11700.0000 - 12200.0000 MHz</td>
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<td></td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>45M0G7W</td>
<td></td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>6391.0000 - 6425.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
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<tr>
<td>6391.0000 - 6425.0000 MHz</td>
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<td>67.70 dBW</td>
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<td>6331.0000 - 6359.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>6331.0000 - 6359.0000 MHz</td>
<td>28M0G7W</td>
<td>67.70 dBW</td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>6272.0000 - 6299.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>6272.0000 - 6299.0000 MHz</td>
<td>27M0G7W</td>
<td>67.70 dBW</td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>6168.0000 - 6240.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>6168.0000 - 6240.0000 MHz</td>
<td>45M0G7W</td>
<td>67.70 dBW</td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>6079.0000 - 6107.0000 MHz</td>
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<td>59.00 dBW</td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
</tr>
<tr>
<td>6079.0000 - 6107.0000 MHz</td>
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<td>67.70 dBW</td>
<td>digital w/various modulation, forward error correction, and data rate configurations</td>
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**ANTENNA ID:** ES 2C  **4.5 meters**  **ANDREW CORPORATION**  **ES45MP-1**
<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation Type</th>
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<tbody>
<tr>
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<td>128KG7W</td>
<td>59.00 dBW</td>
<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>6020.0000 - 6047.0000 MHz</td>
<td>27M0G7W</td>
<td>67.70 dBW</td>
<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>5961.0000 - 5988.0000 MHz</td>
<td>128KG7D</td>
<td>59.00 dBW</td>
<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
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<td>5961.0000 - 5988.0000 MHz</td>
<td>27M0G7W</td>
<td>67.70 dBW</td>
<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
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<td>67.70 dBW</td>
<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
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<tr>
<td>5925.0000 - 5929.0000 MHz</td>
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<tr>
<td>5925.0000 - 5929.0000 MHz</td>
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<td>67.70 dBW</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
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<td>49.00 dBW</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>45M0G7W</td>
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<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
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</table>

**ANTENNA ID:** ES 2Ku  
**4.5 meters**  
**ANDREW CORPORATION**  
**ES45MP-1**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>128KG7D</td>
<td>54.95 dBW</td>
<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>45M0G7W</td>
<td>74.86 dBW</td>
<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
</tr>
<tr>
<td>13750.0000 - 14000.0000 MHz</td>
<td>128KG7D</td>
<td>55.00 dBW</td>
<td>DIGITAL MODULATION, VOICE AND DATA SERVICES</td>
</tr>
<tr>
<td>13750.0000 - 14000.0000 MHz</td>
<td>36M0G7W</td>
<td>74.90 dBW</td>
<td>DIGITAL MODULATION, VOICE AND DATA SERVICES</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>128KG7D</td>
<td></td>
<td>digital w/ various modulation, forward error correction, and data rate configurations</td>
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</table>
11700.0000 - 12200.0000 MHz  45M0G7W  digital w/various modulation, forward error correction, and data rate configurations

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<tr>
<th>ANTENNA ID: ES 4KU</th>
<th>8.1 meters</th>
<th>GENERAL DYNAMICS (VERTEX/RSI)</th>
<th>GD 8.1</th>
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<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>128KG7D</td>
<td>60.75 dBW</td>
<td>DIGITAL</td>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>45M0G7W</td>
<td>81.50 dBW</td>
<td>DIGITAL</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>128KG7D</td>
<td>0.00 dBW</td>
<td>DIGITAL</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>45M0G7W</td>
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<td>DIGITAL</td>
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<tr>
<th>ANTENNA ID: ES 5KU</th>
<th>3.8 meters</th>
<th>GENERAL DYNAMICS (VERTEX/RSI)</th>
<th>SERIES 1383</th>
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<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>128KG7D</td>
<td>54.25 dBW</td>
<td>DIGITAL</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>45M0G7W</td>
<td>65.96 dBW</td>
<td>DIGITAL</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>128KG7D</td>
<td></td>
<td>DIGITAL</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>45M0G7W</td>
<td></td>
<td>DIGITAL</td>
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</table>

<table>
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<tr>
<th>ANTENNA ID: ES 6KU</th>
<th>4.5 meters</th>
<th>GENERAL DYNAMICS (VERTEX/RSI)</th>
<th>ES45MP-1</th>
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<tbody>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>128KG7D</td>
<td>54.95 dBW</td>
<td>DIGITAL</td>
</tr>
<tr>
<td>14000.0000 - 14500.0000 MHz</td>
<td>45M0G7W</td>
<td>74.86 dBW</td>
<td>DIGITAL</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>128KG7D</td>
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<td>DIGITAL</td>
</tr>
<tr>
<td>11700.0000 - 12200.0000 MHz</td>
<td>45M0G7W</td>
<td></td>
<td>DIGITAL</td>
</tr>
</tbody>
</table>

Points of Communication:

1 - AMAZONAS 1 (S2622) - (61 W.L.)
1 - AMAZONAS 2 (S2793) - (61 W.L.)
1 - HISPASAT - (30.0 W.L.)
1 - NSS-7 (S2854) - (20 W.L.)
1 - PERMITTED LIST - ()
1 - SATMEX-5 - (116.8 W.L.)
1 - SOLIDARIDAD F-2 - (113.0 W.L.)
Class of Station: Blanket Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: CONUS, Hawaii, Alaska, Puerto Rico, USVI

ANTENNA ID: 1
0.48 meters SpaceX TBD

10700.0000 - 12700.0000 MHz 240MD7W BPSK up to 64QAM; Digital Data

14000.0000 - 14500.0000 MHz 62M5D7W 38.20 dBW BPSK up to 64QAM; Digital Data

Points of Communication:

1 - SPACEX (S2983) - (NGSO)

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: CONUS

ANTENNA ID: 1
1.2 meters SIS Live CN 00355

14000.0000 - 14500.0000 MHz 36M0G7W 64.01 dBW Digital Video Carrier

11700.0000 - 12200.0000 MHz 36M0G7W Digital Video Carrier

Points of Communication:

1 - Eutelsat113WA(S2695) - (113 W.L.)
1 - GALAXY 18 (S2733) - (123 W.L.)
1 - PERMITTED LIST - ()
1 - SES-2 (S2826) - (87 W.L.)

Class of Station: Fixed Earth Stations

Nature of Service: Direct to Home Fixed Satellite, Fixed Satellite Service
SITE ID: 1
LOCATION: 3800 Via Oro Ave. (CBC), Los Angeles, Long Beach, CA

33 ° 49' 44.30" N LAT. 118 ° 12' 43.35" W LONG.

SITE ID: 1
LOCATION: 157 Kimbles Road, Pike, Hawley, PA

41 ° 27' 50.90" N LAT. 75 ° 7' 51.00" W LONG.

ANTENNA ID: 9mKa-01-00

29525.0000 - 29535.0000 MHz 25K0N0N 55.80 dBW Beacon Transmission - Clear Sky
29525.0000 - 29535.0000 MHz 25K0N0N 75.80 dBW Beacon Transmission - Max Faded
29500.0000 - 29515.0000 MHz 1M30F9D 69.50 dBW Multi-tone Frequency Modulated Command Carrier - Clear Sky
29500.0000 - 29515.0000 MHz 1M30F8D 89.50 dBW Multi-tone Frequency Modulated Command Carrier - Max Faded
29250.0000 - 30000.0000 MHz 36M0G7W 69.50 dBW PSK MOD Digital Video/Audio
28350.0000 - 28600.0000 MHz 36M0G7W 69.50 dBW PSK MOD Digital Video/Audio
19700.0000 - 20200.0000 MHz 36M0G7W 0.00 dBW PSK MOD Digital Video/Audio
19700.0000 - 19710.0000 MHz 106KG9D 0.00 dBW Phase Modulated Satellite Telemetry
18300.0000 - 18800.0000 MHz 36M0G7W 0.00 dBW PSK MOD Digital Video/Audio

Points of Communication:

1 - DIRECTV 10 - (102.75)
1 - DIRECTV 11 - (99.2 W.L.)
1 - DIRECTV 8 (K) - (101 W.L.)
1 - DIRECTV 9S (S2669) - (101 W.L.)
1 - PERMITTED LIST - ()
1 - SPACEWAY 1 - (103 W.L.)
1 - SPACEWAY 2 - (99 W.L.)

Application for Modification
Grant of Authority

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

E120095 MX1 Inc.
07/10/2012 - 07/10/2027
03/17/2020

Page 7 of 71
5925.0000 - 6425.0000 MHz  36M0G7W  73.30 dBW  Digital Video, Audio, and Data
5925.0000 - 6425.0000 MHz  2M00G7W  71.60 dBW  Digital Video, Audio, and Data
3700.0000 - 4200.0000 MHz  36M0G7W  71.60 dBW  Digital Video, Audio, and Data
3700.0000 - 4200.0000 MHz  2M00G7W  71.60 dBW  Digital Video, Audio, and Data

ANTENNA ID:  1  4.5 meters  SUNCOM  450 FC

5925.0000 - 6425.0000 MHz  36M0G7W  73.30 dBW  Digital Video, Audio, and Data
5925.0000 - 6425.0000 MHz  2M00G7W  71.60 dBW  Digital Video, Audio, and Data
3700.0000 - 4200.0000 MHz  36M0G7W  71.60 dBW  Digital Video, Audio, and Data
3700.0000 - 4200.0000 MHz  2M00G7W  71.60 dBW  Digital Video, Audio, and Data

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20180920–04478  E190820  WXOW-WQOW License, LLC

Registration  09/20/2018 - 09/20/2033
Grant of Authority  Date Effective:  03/11/2020

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  WXOW Television 3705 County 25, Houston, La Crescent, MN
43 ° 48 ' 26.00 " N LAT.  91 ° 22 ' 2.00 " W LONG.

ANTENNA ID:  1  7.3 meters  Andrew  ESA73HS-46
3700.0000 - 4200.0000 MHz  36M0F3F  0.00 dBW  Analog TV Video
3700.0000 - 4200.0000 MHz  36M0G7F  0.00 dBW  Digital TV Video

ANTENNA ID:  2  4.5 meters  DH Satellite  45DH
3700.0000 - 4200.0000 MHz  36M0F3F  0.00 dBW  Analog TV Video
3700.0000 - 4200.0000 MHz  36M0G7F  0.00 dBW  Digital TV Video

ANTENNA ID:  3  4.5 meters  Patriot  PRT-450
3700.0000 - 4200.0000 MHz  36M0F3F  0.00 dBW  Analog TV Video
3700.0000 - 4200.0000 MHz  36M0G7F  0.00 dBW  Digital TV Video


<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Diameter</th>
<th>Brand</th>
<th>ID</th>
<th>Bandwidth</th>
<th>Gain</th>
<th>Service</th>
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<tr>
<td>4</td>
<td>4 meters</td>
<td>Channel Master</td>
<td>36M0F3F</td>
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<td>0.00 dBW</td>
<td>Analog TV Video</td>
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<tr>
<td>4</td>
<td>4 meters</td>
<td>Channel Master</td>
<td>36M0G7F</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital TV Video</td>
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<td>5</td>
<td>3.8 meters</td>
<td>Patriot</td>
<td>PRT-380</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
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<td>5</td>
<td>3.8 meters</td>
<td>Patriot</td>
<td>PRT-380</td>
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<td>0.00 dBW</td>
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<tr>
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<td>Digital TV Video</td>
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<td>7</td>
<td>3.3 meters</td>
<td>Channel Master</td>
<td>3.3M</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Analog TV Video</td>
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<td>Channel Master</td>
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<td>Patriot</td>
<td>PRT-310</td>
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<td>0.00 dBW</td>
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<td>0.00 dBW</td>
<td>Digital TV Video</td>
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Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181004-04839 E191210 Corporation of the Presiding Bishop of The Church of Jesus Christ of Latter-day
Registration Grant of Authority
10/04/2018 - 10/04/2033 Date Effective: 03/12/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1275 Timberwood Boulevard, CHARLOTTESVILLE, VA
38 ° 8 ' 11.51 " N LAT. 78 ° 26 ' 32.77 " W LONG.

ANTENNA ID: 1 3.4 meters GENERAL DYNAMICS Satcomm1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 2
LOCATION: 2975 Hydraulic Road, CHARLOTTESVILLE, VA
38 ° 4 ' 58.49 " N LAT. 78 ° 29 ' 28.65 " W LONG.
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<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
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<tr>
<td>3</td>
<td>Rte 60, BUCKINGHAM, VA</td>
<td>37° 32' 5.53&quot; N</td>
<td>78° 30' 15.15&quot; W</td>
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<tr>
<td>4</td>
<td>850 Ox Road, WOODSTOCK, VA</td>
<td>38° 52' 24.74&quot; N</td>
<td>78° 31' 9.49&quot; W</td>
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<tr>
<td>5</td>
<td>400 6th St NW Plum St 360-460 Byp, BURKEVILLE, VA</td>
<td>37° 11' 38.91&quot; N</td>
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<td>210 South Avenue, HARRISONBURG, VA</td>
<td>38° 26' 19.25&quot; N</td>
<td>78° 53' 28.03&quot; W</td>
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<td>7</td>
<td>17 Berry Farm Road, STAUNTON, VA</td>
<td>41° 11' 25.44&quot; N</td>
<td>79° 3' 16.11&quot; W</td>
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<td>2825 Jefferson Lane, WAYNESBORO, VA</td>
<td>38° 4' 59.50&quot; N</td>
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<td>110 Melinda Drive, LYNCHBURG, VA</td>
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<td>37° 20′ 41.53″ N LAT.</td>
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<td>79° 11′ 42.46″ W LONG.</td>
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<td>LOCATION:</td>
<td>2716 Walnut Avenue, BUENA VISTA, VA</td>
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<td>37° 44′ 29.35″ N LAT.</td>
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<td>79° 20′ 50.56″ W LONG.</td>
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<td>604 Vaden Drive, GRETNA, VA</td>
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<td>79° 23′ 8.76″ W LONG.</td>
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<td>LOCATION:</td>
<td>1340 Thornhill Road, LEXINGTON, VA</td>
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<td>37° 45′ 38.89″ N LAT.</td>
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<td>79° 27′ 59.70″ W LONG.</td>
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<td>LOCATION:</td>
<td>1325 Longwood Avenue, BEDFORD, VA</td>
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<td>37° 20′ 43.39″ N LAT.</td>
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<td>79° 30′ 31.81″ W LONG.</td>
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ANTENNA ID: 15  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  16
LOCATION:  2268 Hardy Road, VINTON, VA
37° 15' 58.60" N LAT.  79° 51' 38.57" W LONG.

ANTENNA ID:  16  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  17
LOCATION:  725 West 29th Street, BUENA VISTA, VA
37° 44' 33.95" N LAT.  79° 21' 35.86" W LONG.

ANTENNA ID:  17  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  18
LOCATION:  1340 South Dee Avenue, COVINGTON, VA
37° 46' 42.95" N LAT.  79° 59' 46.63" W LONG.

ANTENNA ID:  18  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  19
LOCATION:  6311 Wayburn Drive, SALEM, VA
37° 18' 40.80" N LAT.  80° 1° 36.37" W LONG.

ANTENNA ID:  19  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  20
LOCATION:  Blue Ridge Street Staples Avenue, STUART, VA
36° 38' 39.41" N LAT.  80° 16' 29.44" W LONG.

ANTENNA ID:  20  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W

SITE ID:  21
LOCATION:  510 Porter Street, BLACKSBURG, VA
37° 12' 46.78" N LAT.  80° 24' 30.22" W LONG.

ANTENNA ID:  21  3.4 meters  GENERAL DYNAMICS  Satcom 1344

3700.0000 - 4200.0000 MHz  36M0G7W
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<th>LOCATION</th>
</tr>
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<tr>
<td>22</td>
<td>900 Pendleton Street, RADFORD, VA</td>
<td>37 ° 7' 7.07&quot; N LAT.</td>
<td>80 ° 34' 44.05&quot; W LONG.</td>
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<tr>
<td>23</td>
<td>55 Highland Avenue, ROCKY MOUNT, VA</td>
<td>37 ° 0' 13.69&quot; N LAT.</td>
<td>79 ° 53' 45.44&quot; W LONG.</td>
<td>23</td>
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<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
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<td>3700.0000 - 4200.0000 MHz</td>
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<td>24</td>
<td>1136 Fort Chiswell Road, MAX MEADOWS, VA</td>
<td>36 ° 55' 16.61&quot; N LAT.</td>
<td>80 ° 55' 59.90&quot; W LONG.</td>
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<tr>
<td>25</td>
<td>122 FAIRWAY DR RT 720, BLUEFIELD, VA</td>
<td>37 ° 14' 0.79&quot; N LAT.</td>
<td>81 ° 17' 2.32&quot; W LONG.</td>
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<tr>
<td>26</td>
<td>13 Heritage Drive, BRISTOL, VA</td>
<td>36 ° 37' 28.09&quot; N LAT.</td>
<td>82 ° 8' 5.23&quot; W LONG.</td>
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<td>3700.0000 - 4200.0000 MHz</td>
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<tr>
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<td>5521 Memorial Drive, LYNDONVILLE, VT</td>
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<td>3417 Darling Hill Road, NEWPORT, VT</td>
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<td>72 ° 10' 52.07&quot; W LONG.</td>
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<td>36M0G7W</td>
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<td>33</td>
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<td>3.4 meters</td>
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<td>Satcom 1344</td>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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<td>34</td>
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<td>GENERAL DYNAMICS</td>
<td>Satcom 1344</td>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
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</tr>
</tbody>
</table>
SITE ID: 35
LOCATION: 5431 US Rte 5, ASCUTNEY, VT
43° 24' 37.75" N LAT. 72° 24' 22.03" W LONG.

ANTENNA ID: 35 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 36
LOCATION: Houghton Lane, BENNINGTON, VT
42° 54' 54.33" N LAT. 73° 12' 21.08" W LONG.

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

SITE ID: 37
LOCATION: 700 East Highway 162, MONTEZUMA CREEK, UT
37° 15' 33.01" N LAT. 109° 17' 59.83" W LONG.

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

SITE ID: 38
LOCATION: 165 South Main Street, MONTICELLO, UT
37° 52' 13.84" N LAT. 109° 20' 31.95" W LONG.

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

SITE ID: 39
LOCATION: 8775 East 6000 South, JENSEN, UT
40° 27' 8.90" N LAT. 109° 32' 24.10" W LONG.

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

SITE ID: 40
LOCATION: N W Corner Blvd 6th Ave, DUTCH JOHN, UT
40° 55' 52.79" N LAT. 109° 23' 51.56" W LONG.

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

SITE ID: 41
LOCATION: 400 Swift Street, SOUTH BURLINGTON, VT
44° 26' 35.95" N LAT. 73° 10' 46.33" W LONG.
<table>
<thead>
<tr>
<th>SITE ID</th>
<th>LOCATION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
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<tbody>
<tr>
<td>41</td>
<td>88 West 800 North, BLANDING, UT</td>
<td>37° 38' 14.90&quot; N</td>
<td>109° 28' 14.05&quot; W</td>
</tr>
<tr>
<td>42</td>
<td>88 West 800 North, BLANDING, UT</td>
<td>37° 38' 14.90&quot; N</td>
<td>109° 28' 14.05&quot; W</td>
</tr>
<tr>
<td>43</td>
<td>88 West 800 North, BLANDING, UT</td>
<td>37° 38' 14.90&quot; N</td>
<td>109° 28' 14.05&quot; W</td>
</tr>
<tr>
<td>44</td>
<td>88 West 800 North, BLANDING, UT</td>
<td>37° 38' 14.90&quot; N</td>
<td>109° 28' 14.05&quot; W</td>
</tr>
<tr>
<td>45</td>
<td>88 West 800 North, BLANDING, UT</td>
<td>37° 38' 14.90&quot; N</td>
<td>109° 28' 14.05&quot; W</td>
</tr>
<tr>
<td>46</td>
<td>88 West 800 North, BLANDING, UT</td>
<td>37° 38' 14.90&quot; N</td>
<td>109° 28' 14.05&quot; W</td>
</tr>
<tr>
<td>47</td>
<td>88 West 800 North, BLANDING, UT</td>
<td>37° 38' 14.90&quot; N</td>
<td>109° 28' 14.05&quot; W</td>
</tr>
</tbody>
</table>

Site 41:
- Antenna ID: Satcom 1344
- Frequency: 3700.0000 - 4200.0000 MHz
- Satcom ID: 36M0G7W

Site 42:
- Antenna ID: Satcom 1344
- Frequency: 3700.0000 - 4200.0000 MHz
- Satcom ID: 36M0G7W

Site 43:
- Antenna ID: Satcom 1344
- Frequency: 3700.0000 - 4200.0000 MHz
- Satcom ID: 36M0G7W

Site 44:
- Antenna ID: Satcom 1344
- Frequency: 3700.0000 - 4200.0000 MHz
- Satcom ID: 36M0G7W

Site 45:
- Antenna ID: Satcom 1344
- Frequency: 3700.0000 - 4200.0000 MHz
- Satcom ID: 36M0G7W

Site 46:
- Antenna ID: Satcom 1344
- Frequency: 3700.0000 - 4200.0000 MHz
- Satcom ID: 36M0G7W

Site 47:
- Antenna ID: Satcom 1344
- Frequency: 3700.0000 - 4200.0000 MHz
- Satcom ID: 36M0G7W
SITE ID: 48
LOCATION: 2745 West 1000 North, VERNAL, UT
40° 28' 10.66" N LAT. 109° 34' 52.67" W LONG.

ANTENNA ID: 48 3.4 meters GENERAL DYNAMICS Satcom 1344
3700.0000 - 4200.0000 MHz 36M0G7W

SITE ID: 49
LOCATION: 1st North 1st West, MANILA, UT
40° 59' 25.77" N LAT. 109° 43' 28.75" W LONG.

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

SITE ID: 50
LOCATION: 495 E Black Locust Ave, BLUFF, UT
37° 17' 4.43" N LAT. 109° 33' 14.45" 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 - ()
50 - PERMITTED LIST - ()

6 - PERMITTED LIST - ()

7 - PERMITTED LIST - ()

8 - PERMITTED LIST - ()

9 - PERMITTED LIST - ()

---

**SES–REG–20181005–04910**

Registration: E191281 EMG2, LLC

**Grant of Authority**

Date Effective: 03/13/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 2003 NW 56th Drive, Umatilla, Pendleton, OR

45 ° 41 ' 29.30 " N LAT. 118 ° 51 ' 9.40 " W LONG.

**ANTENNA ID:** 3.8M

3.8 meters Comtech 3.8M

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

---

**SES–REG–20181008–04970**

Registration: E191346 Northland Cable Television, Inc.

**Grant of Authority**

Date Effective: 03/11/2020

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Mexia - NCTV

**LOCATION:** 515 West Tyler Street, Limestone, Mexia, TX

31 ° 40 ' 18.20 " N LAT. 96 ° 29 ' 38.50 " W LONG.

**ANTENNA ID:** Antenna 1

4.2 meters DH Satellite Unknown

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

**ANTENNA ID:** Antenna 2

4.2 meters DH Satellite Unknown

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

**ANTENNA ID:** Antenna 3

4.2 meters DH Satellite Unknown

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming
ANTENNA ID:  Antenna 4  4.2 meters  DH Satellite  Unknown
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video Programming

ANTENNA ID:  Antenna 5  4.2 meters  DH Satellite  Unknown
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video Programming

ANTENNA ID:  Antenna 6  4.2 meters  DH Satellite  Unknown
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video Programming

ANTENNA ID:  Antenna 7  4.2 meters  DH Satellite  Unknown
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video Programming

ANTENNA ID:  Antenna 8  4.2 meters  DH Satellite  Unknown
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Video Programming

Points of Communication:

Mexia - NCTV - PERMITTED LIST - ()

SES–REG–20181009–04994  E191370  TURNER BROADCASTING SYSTEM, INC.
Registration  Grant of Authority  Date Effective:  03/11/2020
10/09/2018 - 10/09/2033

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

SITE ID:  Antenna 406
LOCATION:  1050 Techwood Drive, Fulton, Atlanta, GA
            33° 47' 4.90" N LAT.  84° 23' 43.80" W LONG.

ANTENNA ID:  1  6.1 meters  Viasat  8060
3700.0000 - 4200.0000 MHz  15M5G1F  0.00 dBW  QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz  20M0G7F  0.00 dBW  QPSK, 8PSK & 16APSK Modulation, digital video
3700.0000 - 4200.0000 MHz  36M0G7F  0.00 dBW  QPSK, 8PSK & 16APSK Modulation, digital video

SITE ID:  Antenna 409
LOCATION:  1050 Techwood Drive, Fulton, Atlanta, GA
            33° 47' 4.90" N LAT.  84° 23' 43.80" W LONG.

ANTENNA ID:  2  6.1 meters  Viasat  8060
<table>
<thead>
<tr>
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<th>Antenna 410</th>
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<tbody>
<tr>
<td>LOCATION:</td>
<td>1050 Techwood Drive, Fulton, Atlanta, GA</td>
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<tr>
<td>SITE ID:</td>
<td>Antenna 415</td>
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<tr>
<td>LOCATION:</td>
<td>1050 Techwood Drive, Fulton, Atlanta, GA</td>
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<tr>
<td>SITE ID:</td>
<td>Antenna 420</td>
</tr>
<tr>
<td>LOCATION:</td>
<td>1050 Techwood Drive, Fulton, Atlanta, GA</td>
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<table>
<thead>
<tr>
<th>Antenna ID</th>
<th>Height (m)</th>
<th>Vendor</th>
<th>ID</th>
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<td>Viasat</td>
<td>8060</td>
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<tr>
<td>4</td>
<td>4.5</td>
<td>Viasat</td>
<td>8345</td>
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<td>45ESAMPJ-1</td>
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<tr>
<th>Frequency</th>
<th>Modulation</th>
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<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
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<td>3700.0000 - 4200.0000 MHz</td>
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</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
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<tr>
<th>Frequency</th>
<th>Modulation</th>
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<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>QPSK, 8PSK &amp; 16APSK Modulation, digital video</td>
</tr>
</tbody>
</table>

33 ° 47 ' 4.90 " N LAT. 84 ° 23 ' 44.50 " W LONG.
SITE ID: Antenna 407
LOCATION: 1050 Techwood Drive, Fulton, Atlanta, GA
33° 47' 4.90" N LAT. 84° 23' 44.50" W LONG.

ANTENNA ID: 6 4.5 meters Viasat 8345

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

Points of Communication:

Antenna 406 - PERMITTED LIST - ()
Antenna 407 - PERMITTED LIST - ()
Antenna 409 - PERMITTED LIST - ()
Antenna 410 - PERMITTED LIST - ()
Antenna 415 - PERMITTED LIST - ()
Antenna 420 - PERMITTED LIST - ()

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Points of Communication:

Antenna 406 - PERMITTED LIST - ()
Antenna 407 - PERMITTED LIST - ()
Antenna 409 - PERMITTED LIST - ()
Antenna 410 - PERMITTED LIST - ()
Antenna 415 - PERMITTED LIST - ()
Antenna 420 - PERMITTED LIST - ()

---

SITE ID: 1
LOCATION: 341 S Yorktown Pike, Cerro Gordo, Mason City, IA
43° 8' 58.70" N LAT. 93° 8' 45.65" W LONG.

ANTENNA ID: 1 4 meters Miralite 370

- 3700.0000 - 4200.0000 MHz 36M0G7W Network programming

Points of Communication:

1 - PERMITTED LIST - ()

---

SITE ID: 1
LOCATION: 341 S Yorktown Pike, Cerro Gordo, Mason City, IA
43° 8' 58.70" N LAT. 93° 8' 45.65" W LONG.

ANTENNA ID: 1 4 meters Miralite 370

- 3700.0000 - 4200.0000 MHz 36M0G7W Network programming

Points of Communication:

1 - PERMITTED LIST - ()

---
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1 Harborside Dr, Suffolk, Boston, MA
42° 21' 54.30" N LAT.  71° 1' 4.70" W LONG.

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:
1 - PERMITTED LIST - ()

Registration  10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 03/12/2020

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

SITE ID: 1
LOCATION: 94-00 Ditmars Blvd., Queens, Queens, NY
40° 46' 27.00" N LAT.  73° 52' 26.80" 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 - ()

Registration  10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 03/12/2020

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

SITE ID:
LOCATION: 2400 Aviation Dr, Dallas, DFW Airport, TX
32° 54' 49.10" N LAT.  97° 0' 52.90" 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:
- PERMITTED LIST - ()
<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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<tbody>
<tr>
<td>SES-REG-20181009-05078</td>
<td>E191456 AC Holdings, Inc.</td>
<td>10/09/2018 - 10/09/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>SES-REG-20181009-05090</td>
<td>E191468 ComSouth Telesys, Inc.</td>
<td>10/09/2018 - 10/09/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<td>SES-REG-20181009-05092</td>
<td>E191470 AC Holdings, Inc.</td>
<td>10/09/2018 - 10/09/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

**SITE ID:** 1  
**LOCATION:** 7800 Col. H. Weir Cook Memorial Dr, Marion, Indianapolis, IN  
**LAT:** 39° 42' 21.90" N  
**LONG:** 86° 18' 8.50" W

**ANTENNA ID:** PRT-310  
**3.1 meters**  
**Patriot**  
**DVB-S2/AVC Video Services**

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

---

**SITE ID:** 1  
**LOCATION:** 2673 Marshallville, Houston, Perry, GA  
**LAT:** 32° 27' 11.79" N  
**LONG:** 83° 49' 44.12" W

**ANTENNA ID:** Simulsat  
**5 meters**  
**ATCi**

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

---

**SITE ID:** 1  
**LOCATION:** Van Wyck and JFK Expressway, Queens, Jamaica, NY  
**LAT:** 40° 38' 59.30" N  
**LONG:** 73° 46' 58.80" W

**ANTENNA ID:** PRT-310  
**3.1 meters**  
**Patriot**

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

1 - PERMITTED LIST - ()

<table>
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<th>Date Effective</th>
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<tr>
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<td>10/09/2018 - 10/09/2033</td>
<td>03/12/2020</td>
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<tr>
<td>E191476</td>
<td>AC Holdings, Inc.</td>
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</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1 Airport Dr, Alameda, Oakland, CA
37 ° 42’ 35.20” N LAT.
122 ° 12’ 43.90” 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 - ()

<table>
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<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
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<tbody>
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<td>10/09/2018 - 10/09/2033</td>
<td>03/13/2020</td>
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<td>E191477</td>
<td>AC Holdings, Inc.</td>
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</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 17801 International Blvd, King, Seattle, WA
47 ° 26’ 38.20” N LAT.
122 ° 18’ 2.40” W LONG.

ANTENNA ID: 1
3.7 meters Prodelin 1374

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

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
</tr>
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<tbody>
<tr>
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<td>10/09/2018 - 10/09/2033</td>
<td>03/11/2020</td>
</tr>
<tr>
<td>E191481</td>
<td>AC Holdings, Inc.</td>
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</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
SITE ID: 1
LOCATION: 3400 E Sky Harbor Blvd, Maricopa, Phoenix, AZ
33° 26' 11.70" N LAT. 111° 59' 48.50" 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 - ()

Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 03/12/2020

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

SITE ID: 1
LOCATION: 776 N Terminal Dr, Salt Lake, Salt Lake City, UT
40° 47' 13.20" N LAT. 111° 58' 57.80" W LONG.

ANTENNA ID: 1 3.1 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–20181009–05106 E E191486 Northland Cable Television, Inc.
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 03/12/2020

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

SITE ID: 1
LOCATION: 1305 E. Wheeler Road, Grant, Moses Lake, WA
47° 7' 49.90" N LAT. 119° 15' 19.40" W LONG.

ANTENNA ID: 1 4.5 meters Scientific Atlanta Unknown

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

ANTENNA ID: 2 3.7 meters AFC Unknown

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

ANTENNA ID: 3 3.8 meters Patriot PRT 380
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

ANTENNA ID: 4 3.1 meters Patriot PRT 380

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video Programming

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG--20181009--05110 E191490 Garden Valley Telephone Company
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 03/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Cable TV Headend
LOCATION: 614 Ward Avenue, Polk, Erskine, MN
47° 39' 37.62" N LAT. 96° 0' 38.04" W LONG.

ANTENNA ID: ANTI 3.8 meters Patriot PRT-380

3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Digital

Points of Communication:

Cable TV Headend - PERMITTED LIST - ()

SES-REG--20181009--05110 E200107 VS Enterprises LTD
Registration 10/09/2018 - 10/09/2033
Grant of Authority Date Effective: 03/12/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Livermore
LOCATION: 404 4th Ave, Humboldt, Livermore, IA
42° 52' 4.53" N LAT. 94° 11' 14.45" W LONG.

ANTENNA ID: unknown

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Livermore - PERMITTED LIST - ()
Tichenor License Corporation

Fixed Earth Stations

Fixed Satellite Service

Chase Tower

200 S. 10th (roof top), Hidalgo, McAllen, TX

26 ° 12 ’ 7.22 ” N LAT.

98 ° 13 ’ 52.83 ” W LONG.

3.8 meters Patriot

3.8 Prime Focus

3700.0000 - 4200.0000 MHz

36M0G7W 0.00 dBW

Digital Video, Audio, and Data

Chase Tower - PERMITTED LIST - ()

BFI Licenses, LLC

Fixed Earth Stations

Fixed Satellite Service

RO 2

6221 Holly Drive, Anoka, Lino Lakes, MN

45 ° 7 ’ 56.90 ” N LAT.

93 ° 5 ’ 43.40 ” W LONG.

3.8 meters Patriot

3.8

3700.0000 - 4200.0000 MHz

36M0G7W

Digital Video and Data

RO 2 - PERMITTED LIST - ()

WPEC Licensee, LLC

Fixed Earth Stations

Fixed Satellite Service

WPEC Site 3

1100 Fairfield Drive, Palm Beach, West Palm Beach, FL

26 ° 45 ’ 38.90 ” N LAT.

80 ° 4 ’ 10.90 ” W LONG.

4.6 meters Vertex

VERM4.6

Points of Communication:
<table>
<thead>
<tr>
<th>Site ID</th>
<th>ANTENNA ID</th>
<th>Height (m)</th>
<th>Supplier</th>
<th>Description</th>
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<td>4.5</td>
<td>Andrew Corp</td>
<td>AND4.5</td>
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<tr>
<td>2</td>
<td>6</td>
<td>4.2</td>
<td>T-Squared</td>
<td>TSQ4.2</td>
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<td>3</td>
<td>7</td>
<td>3.5</td>
<td>Prodelin</td>
<td>PRO3.5</td>
</tr>
<tr>
<td>4</td>
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<td>5</td>
<td>T-Squared</td>
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**Points of Communication:**

**WPEC Site 3 - PERMITTED LIST - ()**

<table>
<thead>
<tr>
<th>SES-REG-20181011-05370</th>
<th>E200076</th>
<th>Victory Communications, Inc.</th>
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<tr>
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<td></td>
</tr>
<tr>
<td>Date Effective:</td>
<td>03/13/2020</td>
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</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 14019 Noah Rd, Benton, Gravette, AR

36 ° 21' 36.30" N LAT. 94 ° 20' 24.80" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Height (m)</th>
<th>Supplier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>Unimesh</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital Video Carrier</td>
</tr>
<tr>
<td>2</td>
<td>4</td>
<td>Unimesh</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital Video Carrier</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>Unimesah</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Digital Video Carrier</td>
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<tr>
<td>4</td>
<td>4</td>
<td>Unimesh</td>
<td>12</td>
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</table>
Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181011–05371**  E  E200077  THE FAMILY RADIO NETWORK, INC.
Registration  10/11/2018 - 10/11/2033
Grant of Authority  Date Effective:  03/13/2020

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

SITE ID:  1
LOCATION:  1909 W. Second Street, Outagamie, Appleton, WI
44 ° 15 ’ 16.80 ” N LAT.  88 ° 26 ’ 11.80 ” W LONG.

ANTENNA ID:  Main  3.7 meters  Prodelin  1374

3700.0000 - 4200.0000 MHz  36M0G7W  Digital

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181011–05372**  E  E200078  KAAL-TV, LLC
Registration  10/09/2018 - 10/09/2033
Grant of Authority  Date Effective:  03/13/2020

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

SITE ID:  KAAL-AUSTIN
LOCATION:  1701 10TH PLACE NE, MOWER, AUSTIN, MN
43 ° 40 ’ 32.10 ” N LAT.  92 ° 57 ’ 9.40 ” W LONG.

ANTENNA ID:  KAAL-AUSTI  3.7 meters  PRODELIN  3.7

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

Points of Communication:

**SES–REG–20181011–05375**  E  E200080  Priority Communications, Inc.
Registration  10/06/2018 - 10/06/2033
Grant of Authority  Date Effective:  03/13/2020

Class of Station:  Fixed Earth Stations
Nature of Service:  Fixed Satellite Service
| SITE ID: | 1 |
| Longitude: | 12 W Long Ave, Clearfield, DuBois, PA |
| Latitude: | 41 ° 7 ' 9.10 " N |
| Location: | 78 ° 45 ' 44.80 " W |
| Antenna ID: | 3.8M. 3.8 meters Comtech 3.8 METER PF |
| Frequency: | 3700.0000 - 4200.0000 MHz 36M0G7W Digidal Video Carrier |

**Points of Communication:**

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES-REG-20181011-05377</th>
<th>E200082</th>
<th>KAAL-TV, LLC</th>
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</thead>
<tbody>
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<td></td>
</tr>
<tr>
<td>Date Effective:</td>
<td>03/13/2020</td>
<td></td>
</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

| SITE ID: | 1 |
| Location: | 1701 10TH PLACE NE, MOWER, AUSTIN, MN |
| Longitude: | 92 ° 57 ' 8.70 " W |
| Latitude: | 43 ° 40 ' 32.90 " N |
| Antenna ID: | KAAL AUSTI 4.5 meters ANDREW ESA45-4 |
| Frequency: | 3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL VIDEO, AUDIO, DATA |

**Points of Communication:**

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES-REG-20181011-05378</th>
<th>E200083</th>
<th>Liberman Broadcasting of Dallas License LLC</th>
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<tr>
<td>Date Effective:</td>
<td>03/13/2020</td>
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</tr>
</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

| SITE ID: | Cedar Hill |
| Location: | 1320 W. Beltline Rd., Cedar Hill, TX |
| Longitude: | 96 ° 58 ' 5.90 " W |
| Latitude: | 32 ° 35 ' 20.00 " N |
| Antenna ID: | KMPX CHill 4.5 meters DH D45MAE-MRC2 |
| Frequency: | 3700.0000 - 4200.0000 MHz 36M0G7W |

**Points of Communication:**

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

Nature of Service: Fixed Satellite Service

SITE ID: ITU
LOCATION: 711 7 Av NE, Buchanan, Independence, IA
42 ° 28 ' 29.36 " N LAT. 91 ° 53 ' 13.53 " W LONG.

ANTENNA ID: 4.5M Ants 4.5 meters Scientific Atlanta 8345PF
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video reception for CATV retransmission

ANTENNA ID: 3.7M Ants 3.7 meters General Dynamics Satcom Technologies Series 1374
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital video reception for CATV retransmission

Points of Communication:

ITU - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WATK / WACD
LOCATION: N2237 Hwy 45 S, Langlade, Antigo, WI
45 ° 6 ' 23.80 " N LAT. 89 ° 9 ' 12.42 " W LONG.

ANTENNA ID: 3.8 meters Comtech Comtech 3.8M
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Modulation for Audio and Video Services

Points of Communication:

WATK / WACD - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Page 32 of 71
**SITE ID:** KOZK C-Band  
**LOCATION:** 700 E. Madison St, Greene, Springfield, MO  
37° 11' 59.66" N LAT. 93° 17' 3.59" W LONG.

**ANTENNA ID:** PBS-C  
3.8 meters  
Comtech Antenna Systems  
3.8 Meter Fiberglass  
3700.0000 - 4200.0000 MHz  
30M0G7W  
0.00 dBW  
Digital Video

**Points of Communication:**

KOZK C-Band - PERMITTED LIST - ()

<table>
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<tbody>
<tr>
<td>E200140</td>
<td>Stratford Mutual Telephone Company</td>
<td>Date Effective:</td>
<td></td>
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</tbody>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Site 1  
**LOCATION:** 1001 Tennyson Avenue, Hamilton, Stratford, IA  
42° 16' 17.80" N LAT. 93° 55' 31.30" W LONG.

**ANTENNA ID:** Ant1  
3.8 meters  
Patriot  
PRT-380  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Video

**ANTENNA ID:** Ant3  
2.8 meters  
Scientific Atlanta  
9000  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Video

**ANTENNA ID:** Ant2  
3.8 meters  
Patriot  
PRT-380  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Video

**ANTENNA ID:** Ant4  
4.6 meters  
Scientific Atlanta  
8346  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Video

**SITE ID:** Site 2  
**LOCATION:** 1012 Goldsmith Street, Hamilton, Stratford, IA  
42° 16' 12.00" N LAT. 93° 55' 31.30" W LONG.

**ANTENNA ID:** Ant6  
3.8 meters  
Patriot  
PRT-380  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Video

**ANTENNA ID:** Ant5  
4.5 meters  
Scientific Atlanta  
8345  
3700.0000 - 4200.0000 MHz  
36M0G7W  
0.00 dBW  
Digital Video
Site 1 - PERMITTED LIST - ()

Site 2 - PERMITTED LIST - ()

Registration Grant of Authority Date Effective: 03/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1 WCOV Ave, Montgomery, Montgomery, AL 32 ° 20 ’ 6.59 ” N LAT. 86 ° 17 ’ 17.32 ” W LONG.

ANTENNA ID: ANT 1 3.7 meters PRODELIN 1374

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

1 - PERMITTED LIST - ()

Registration Grant of Authority Date Effective: 03/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 6300 SOUTH TALLGRASS AVE, MINNEHAHA, SIOUX FALLS, MN 43 ° 29 ’ 14.10 ” N LAT. 96 ° 47 ’ 4.98 ” W LONG.

ANTENNA ID: KNWC 3.7 meters PRODELIN 1374

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL

Points of Communication:

1 - PERMITTED LIST - ()

Registration Grant of Authority Date Effective: 03/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
SITE ID: Site 1
LOCATION: 688 Mount Alto Rd SW, Floyd, Rome, GA
34 ° 14 ' 7.55 " N LAT. 85 ° 13 ' 45.17 " W LONG.

ANTENNA ID: ANT 1 3.7 meters PRODELIN 1374

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW DIGITAL

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181011-05513 E200218 WAY MEDIA, Inc.
Registration Grant of Authority
Date Effective: 03/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 1029 Cunningham Rd, Dickson County, Cumberland Furnace, TN
36 ° 17 ' 36.34 " N LAT. 87 ° 18 ' 19.95 " W LONG.

ANTENNA ID: ANT 1 3.7 meters PRODELIN 1374

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES-REG-20181012-05460 E200166 Kelly Media LLC
Registration Grant of Authority
Date Effective: 03/12/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KUSH
LOCATION: 3818 E. Main Street, Payne, Cushing, OK
35 ° 59 ' 12.81 " N LAT. 96 ° 42 ' 38.44 " W LONG.

ANTENNA ID: 1 3.8 meters Comtech 3.8 EL/AZ

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

Points of Communication:

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

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1201 16th St NW, DC, Washington, DC
38° 54' 21.00" N LAT. 77° 2' 9.00" W LONG.

ANTENNA ID: 1 3 meters Harris Satellite Comm. Div. 5115

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital and 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: 907 6th St SW, DC, Washington, DC
38° 52' 43.00" N LAT. 77° 1' 16.00" W LONG.

ANTENNA ID: 1 3 meters Harris Satellite Comm. Div. 5115

3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Smith Hill #1
LOCATION: 5957 Smith Hill Rd, Oneida, Utica, NY
43° 8' 46.70" N LAT. 75° 10' 50.20" W LONG.

ANTENNA ID: 1 3.8 meters DH Satellite 38DH4
Points of Communication:

Smith Hill #1 - PERMITTED LIST - ()

SES–REG–20181012–05481  E  E200187  NFL Productions, LLC
Registration  10/12/2018 - 10/12/2033
Grant of Authority

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

SITE ID:  Films1
LOCATION:  One Sabol Way, Burlington, Mount Laurel, NJ
39 ° 57' 29.31" N LAT.  74 ° 53' 47.94" W LONG.

ANTENNA ID:  ANTI-4  5 meters  COMTECH  5M
3700.0000 - 4200.0000 MHz  3M7G0N  NULL
3700.0000 - 4200.0000 MHz  4M20G0N  NULL

ANTENNA ID:  ANT5  5 meters  DH Satellite  5M
3700.0000 - 4200.0000 MHz  3M7G0N  NULL
3700.0000 - 4200.0000 MHz  4M20G0N  NULL

Points of Communication:

Films1 - PERMITTED LIST - ()
Films1 - PERMITTED LIST - ()

SES–REG–20181012–05483  E  E200189  WZTV Licensee, LLC
Registration  10/12/2018 - 10/12/2033
Grant of Authority

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

SITE ID:  WZTV Site 3
LOCATION:  631 Mainstream Drive, Davidson, Nashville, TN
36 ° 11' 53.84" N LAT.  86 ° 48' 59.73" W LONG.

ANTENNA ID:  10  4.5 meters  ASC  4.5M
3700.0000 - 4200.0000 MHz  36M0G7W  Digital Video and Data

Points of Communication:
WZTV Site 3 - PERMITTED LIST - ()

**SES-REG-20181012-05484**  E  E200190  Door County Broadcasting Co. Inc.
Registration  10/12/2018 - 10/12/2033
Grant of Authority  Date Effective:  03/13/2020

**Class of Station:**  Fixed Earth Stations

**Nature of Service:**  Fixed Satellite Service

**SITE ID:**  WDOR
**LOCATION:**  800 S. 15th Ave, Door, Sturgeon Bay, WI
44° 49’ 39.14” N LAT. 87° 21’ 30.57” W LONG.

**ANTENNA ID:**  1  3.8 meters  Comtech  Comtech 3.8M
3700.0000 - 4200.0000 MHz  36M0G7W  0.00 dBW  Digital Modulation for Audio and Video Services

**Points of Communication:**

**WDOR - PERMITTED LIST - ()**

**SES-REG-20181012-05496**  E  E200201  WDEF-TV, Inc.
Registration  10/12/2018 - 10/12/2033
Grant of Authority  Date Effective:  03/16/2020

**Class of Station:**  Fixed Earth Stations

**Nature of Service:**  Fixed Satellite Service

**SITE ID:**  1
**LOCATION:**  3300 Broad Street, Hamilton, Chattanooga, TN
35° 0’ 59.00” N LAT. 85° 19’ 18.00” W LONG.

**ANTENNA ID:**  1  3.7 meters  DH  Unknown
3700.0000 - 4200.0000 MHz  36M0G7F  DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY
3700.0000 - 4200.0000 MHz  36M0F8W  ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS

**ANTENNA ID:**  2  3.8 meters  Comtech  Unknown
3700.0000 - 4200.0000 MHz  36M0G7F  DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY
3700.0000 - 4200.0000 MHz  36M0F8W  ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS

**ANTENNA ID:**  3  3.7 meters  DH  Unknown
3700.0000 - 4200.0000 MHz  36M0G7F  DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY

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### Points of Communication:

<table>
<thead>
<tr>
<th>Points of Communication:</th>
</tr>
</thead>
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### SES-REG-20181012-05502

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<tr>
<td>Registration</td>
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<td>Grant of Authority Date Effective: 03/16/2020</td>
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<tr>
<td>Class of Station: Fixed Earth Stations</td>
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<tr>
<td>Nature of Service: Fixed Satellite Service</td>
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| SITE ID: 1 |
| LOCATION: 16875 Highway 52, Morgan, Barnett, MO |
| 38° 24’ 32.01” N LAT. 92° 45’ 42.22” W LONG. |

### Antenna Details

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Type</th>
<th>Frequency Range</th>
<th>Antenna Diameter</th>
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<td>3700.0000 - 4200.0000 MHz</td>
<td>3 meters</td>
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<td>5</td>
<td>Unknown</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>3.2 meters</td>
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<td>Genesis</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>3.7 meters</td>
<td>Unknown</td>
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<td>3 meters</td>
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### Details:

- **3700.0000 - 4200.0000 MHz**
- **36M0F8W**
- **36M0G7F**
- **36M0F8W**
- **36M0G7F**
- **36M0F8W**
- **36M0F8W**
- **36M0G7F**

- **ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS**
- **DIGITAL VIDEO, AUDIO, DATA, & TELEMETRY**
- **ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS**
- **ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS**
- **ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS**
- **ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS**
- **ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS**
- **ANALOG VIDEO, W/AUDIO & DATA SUBCARRIERS**

Digital Audio
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<tr>
<td><strong>SES–REG–20181012–05503</strong> &amp; E200208 &amp; SHIRLEY M BELL MRS. ( d/b/a KRRM RADIO )</td>
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<td>Registration &amp; 10/12/2018 - 10/12/2033</td>
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<tr>
<td>Grant of Authority &amp; Date Effective: 03/16/2020</td>
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<tr>
<td><strong>Nature of Service:</strong> &amp; Fixed Satellite Service</td>
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<tr>
<td><strong>SITE ID:</strong> &amp; 1</td>
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<tr>
<td><strong>LOCATION:</strong> &amp; 225 Rogue River Hwy, Josephine, Grants Pass, OR</td>
</tr>
<tr>
<td>&amp; 42° 25' 38.00&quot; N LAT.</td>
</tr>
<tr>
<td>&amp; 123° 19' 52.00&quot; W LONG.</td>
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<tr>
<td><strong>ANTENNA ID:</strong> &amp; 1374</td>
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<tr>
<td><strong>ANTENNA ID:</strong> &amp; 1</td>
</tr>
<tr>
<td><strong>3.7 meters</strong> &amp; Prodelin</td>
</tr>
<tr>
<td><strong>LOCATION:</strong> &amp; Prodelin</td>
</tr>
<tr>
<td>3.7 meters &amp; Prodelin</td>
</tr>
<tr>
<td><strong>LOCATION:</strong> &amp; Prodelin</td>
</tr>
<tr>
<td><strong>3700.0000 - 4200.0000 MHz</strong> &amp; 36M0G7W</td>
</tr>
<tr>
<td><strong>0.00 dBW</strong> &amp; Digital video with associated subcarriers</td>
</tr>
<tr>
<td><strong>Points of Communication:</strong></td>
</tr>
<tr>
<td><strong>1 - PERMITTED LIST - ()</strong></td>
</tr>
<tr>
<td><strong>SES–REG–20181012–05506</strong> &amp; E200211 &amp; Heirborn Broadcasting, LLC</td>
</tr>
<tr>
<td>Registration &amp; 10/12/2018 - 10/12/2033</td>
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<tr>
<td>Grant of Authority &amp; Date Effective: 03/16/2020</td>
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<tr>
<td><strong>Class of Station:</strong> &amp; Fixed Earth Stations</td>
</tr>
<tr>
<td><strong>Nature of Service:</strong> &amp; Fixed Satellite Service</td>
</tr>
<tr>
<td><strong>SITE ID:</strong> &amp; 1</td>
</tr>
<tr>
<td><strong>LOCATION:</strong> &amp; 602 West Elm St., Polk, Rockmart, GA</td>
</tr>
<tr>
<td>&amp; 34° 0' 11.00&quot; N LAT.</td>
</tr>
<tr>
<td>&amp; 85° 3' 24.00&quot; W LONG.</td>
</tr>
<tr>
<td><strong>ANTENNA ID:</strong> &amp; PR 12/4</td>
</tr>
<tr>
<td><strong>ANTENNA ID:</strong> &amp; 1</td>
</tr>
<tr>
<td><strong>3.7 meters</strong> &amp; AFC</td>
</tr>
<tr>
<td><strong>LOCATION:</strong> &amp; AFC</td>
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<tr>
<td>3.7 meters &amp; AFC</td>
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<tr>
<td><strong>LOCATION:</strong> &amp; AFC</td>
</tr>
<tr>
<td><strong>3700.0000 - 4200.0000 MHz</strong> &amp; 36M0G7W</td>
</tr>
<tr>
<td><strong>0.00 dBW</strong> &amp; DIGITAL AUDIO CONTENT WITH VARYING DATA RATES</td>
</tr>
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<td><strong>Points of Communication:</strong></td>
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<tr>
<td><strong>1 - PERMITTED LIST - ()</strong></td>
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<tr>
<td><strong>SES–REG–20181012–05508</strong> &amp; E200213 &amp; JDL Broadcasting, Inc.</td>
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<td>Registration &amp; 01/10/2018 - 01/10/2033</td>
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<td>Grant of Authority &amp; Date Effective: 03/17/2020</td>
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<td><strong>Class of Station:</strong> &amp; Fixed Earth Stations</td>
</tr>
<tr>
<td><strong>Nature of Service:</strong> &amp; Fixed Satellite Service</td>
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</table>

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### Points of Communication:

1 - SES-11 (S2964) - (104.95 W.L)

<table>
<thead>
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<th>Registration</th>
<th>Grant of Authority</th>
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<td>10/11/2018 - 10/11/2033</td>
<td>03/16/2020</td>
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**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service

### Points of Communication:

1 - PERMITTED LIST - ()

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<th>Grant of Authority</th>
<th>Date Effective</th>
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<tr>
<td>SES-REG-20181012-05510</td>
<td>10/12/2018 - 10/12/2033</td>
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**Class of Station:** Fixed Earth Stations  
**Nature of Service:** Fixed Satellite Service
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<thead>
<tr>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Service Type</th>
<th>Antenna ID</th>
<th>Model</th>
<th>ID</th>
<th>Location</th>
<th>Date Effective</th>
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</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video Programming</td>
<td>36M0G7W</td>
<td>Unknown</td>
<td>3.8 meters</td>
<td>03/16/2020</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video Programming</td>
<td>36M0G7W</td>
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<td>3.7 meters</td>
<td>03/16/2020</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video Programming</td>
<td>36M0G7W</td>
<td>Unknown</td>
<td>3.8 meters</td>
<td>03/16/2020</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Video Programming</td>
<td>36M0G7W</td>
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Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181012–05511 | E200216 | Nodaway Broadcasting Corporation | 10/12/2018 - 10/12/2033 | Date Effective: 03/16/2020 |

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1618 South Main, Nodaway, Maryville, MO
40 ° 19 ′ 47.00 ″ N LAT. 94 ° 52 ′ 29.20 ″ W LONG.

ANTENNA ID: 1
3 meters Harris 5115

Points of Communication:

1 - PERMITTED LIST - ()

SES–REG–20181012–05512 | E200217 | Houston Christian Broadcasters, Inc. | 10/12/2018 - 10/12/2033 | Date Effective: 03/16/2020 |

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service
| SITE ID: | 1 |
| LOCATION: | 3125 Ranch Road 12, Hays, San Marcos, TX |
| LAT.: | 29 ° 54 ’ 23.00 ” N |
| LONG.: | 98 ° 0 ’ 2.00 ” W |
| ANTEenna ID: | 1 |
| Size: | 3 meters |
| Model: | SAMI |
| Frequency: | 3700.0000 - 4200.0000 MHz |
| Power: | 400KG7W |

### Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location</th>
<th>LAT.</th>
<th>LONG.</th>
<th>Antenna ID</th>
<th>Frequency</th>
<th>Power</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>3125 Ranch Road 12, Hays, San Marcos, TX</td>
<td>29 ° 54 ’ 23.00 ” N</td>
<td>98 ° 0 ’ 2.00 ” W</td>
<td>1</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>400KG7W</td>
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<tr>
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<th>E200219</th>
<th>Houston Christian Broadcasters, Inc.</th>
<th>10/12/2018 - 10/12/2033</th>
<th>Date Effective: 03/10/2020</th>
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<td>Registration</td>
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<td>Class of Station:</td>
<td>Nature of Service:</td>
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<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<th>LAT.</th>
<th>LONG.</th>
<th>Antenna ID</th>
<th>Frequency</th>
<th>Power</th>
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<tbody>
<tr>
<td>1</td>
<td>South Kenwood Dr., Texarkana, TX</td>
<td>33 ° 25 ’ 52.00 ” N</td>
<td>94 ° 5 ’ 14.00 ” W</td>
<td>1304</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>400KG7W</td>
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</table>

### Points of Communication:

1 - PERMITTED LIST - ()

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<th>Location</th>
<th>LAT.</th>
<th>LONG.</th>
<th>Antenna ID</th>
<th>Frequency</th>
<th>Power</th>
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<tbody>
<tr>
<td>1</td>
<td>South Kenwood Dr., Texarkana, TX</td>
<td>33 ° 25 ’ 52.00 ” N</td>
<td>94 ° 5 ’ 14.00 ” W</td>
<td>1304</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>400KG7W</td>
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<table>
<thead>
<tr>
<th>SES-REG-20181012-05518</th>
<th>E200223</th>
<th>Houston Christian Broadcasters, Inc.</th>
<th>10/12/2018 - 10/12/2033</th>
<th>Date Effective: 03/16/2020</th>
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<tbody>
<tr>
<td>Registration</td>
<td>Grant of Authority</td>
<td>Class of Station:</td>
<td>Nature of Service:</td>
<td></td>
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<tr>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<td></td>
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<table>
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<th>Site ID</th>
<th>Location</th>
<th>LAT.</th>
<th>LONG.</th>
<th>Antenna ID</th>
<th>Frequency</th>
<th>Power</th>
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<tbody>
<tr>
<td>1</td>
<td>10315 N. US Hwy 281, Burnet, Burnet, TX</td>
<td>30 ° 53 ’ 39.00 ” N</td>
<td>98 ° 14 ’ 12.00 ” W</td>
<td>1304</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>400KG7W</td>
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</table>
Date Effective: 03/16/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 15770 Becker Lane, Galveston, Santa Fe, TX
29°25'33.00"N LAT. 95°08'2.00"W LONG.

ANTENNA ID: 1 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: End of Smokey Mountain Rd, Kerr, Kerrville, TX
30°2'37.00"N LAT. 99°7'18.00"W LONG.

ANTENNA ID: 1 3 meters SAMI SI-10

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

Date Effective: 03/10/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1036 Shady Grove, Marion, Jefferson, TX
32°50'7.00"N LAT. 94°28'52.00"W LONG.

ANTENNA ID: 1 3 meters Prodelin 1304
### Points of Communication:

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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<tr>
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<td>10/12/2018 - 10/12/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>E200233</td>
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<tr>
<td>28 ° 31' 14.00&quot; N LAT.</td>
<td>96 ° 30' 3.00&quot; W LONG.</td>
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<tr>
<td>SITE ID: 1</td>
<td>LOCATION: 280 Ocean Drive North, Calhoun, Port Lavaca, TX</td>
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<tr>
<td>ANTENNA ID: 1</td>
<td>3 meters</td>
<td>Prodelin</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>400KG7W</td>
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<th>Nature of Service</th>
</tr>
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<td>Fixed Satellite Service</td>
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<td>E200237</td>
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<tr>
<td>30 ° 3' 31.00&quot; N LAT.</td>
<td>99 ° 3' 52.00&quot; W LONG.</td>
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<tr>
<td>SITE ID: 1</td>
<td>LOCATION: 2935 Cypress Creek Rd, Kerr, Kerrville, TX</td>
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<tr>
<td>ANTENNA ID: KKER</td>
<td>3 meters</td>
<td>Prodelin</td>
<td></td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>400KG7W</td>
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<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>E200241</td>
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<tr>
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</table>
SITE ID:  1
LOCATION:  PR 1530, Leon, Leona, TX
31 ° 6 ' 41.00 " N LAT.  95 ° 57 ' 10.00 " W LONG.

ANTENNA ID:  1  3 meters  Prodelin  1304

3700.0000 - 4200.0000 MHz  400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

<table>
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<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
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<tbody>
<tr>
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<td>10/12/2018 - 10/12/2033</td>
<td>03/10/2020</td>
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</table>

Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  1401 Hwy 84-67 W, Brown, Brownwood, TX
31 ° 43 ' 46.00 " N LAT.  99 ° 1 ' 15.00 " W LONG.

ANTENNA ID:  1  3 meters  Prodelin  1304

3700.0000 - 4200.0000 MHz  400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

<table>
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<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
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<td>10/12/2018 - 10/12/2033</td>
<td>03/10/2020</td>
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Class of Station:  Fixed Earth Stations

Nature of Service:  Fixed Satellite Service

SITE ID:  1
LOCATION:  531 Shell, Texarkana, AR
33 ° 24 ' 54.00 " N LAT.  93 ° 58 ' 11.00 " W LONG.

ANTENNA ID:  1  3 meters  Prodelin  1304

3700.0000 - 4200.0000 MHz  400KG7W

Points of Communication:

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

SITE ID: Paris
LOCATION: 3975 FM 3298, Lamar, Powderly, TX
33° 49' 37.00" N LAT. 95° 27' 49.00" W LONG.

ANTENNA ID: 1 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

Paris - PERMITTED LIST - ()

---

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

SITE ID: 1
LOCATION: 1540 Persimmon, Walker, Hunstville, TX
30° 42' 55.00" N LAT. 95° 31' 42.00" W LONG.

ANTENNA ID: 1 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

---

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

SITE ID: 1
LOCATION: 10085 State Hwy. 87 N, Shelby, Timpson, TX
31° 50' 59.00" N LAT. 94° 20' 46.00" W LONG.

ANTENNA ID: 1 3 meters General Dynamics 1304
Points of Communication:

1 - PERMITTED LIST - ()

<table>
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<th>Registration</th>
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<th>Class of Station</th>
<th>Nature of Service</th>
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<td>E200255</td>
<td>10/12/2018 - 10/12/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>Manti Tele Communication Company, Inc</td>
<td>Date Effective: 03/13/2020</td>
<td></td>
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</table>

SITE ID: Site1
LOCATION: 50 West Center Street, Sanpete, Sterling, UT
39° 11’ 37.79” N LAT. 111° 41’ 36.22” W LONG.

ANTENNA ID: ANT1
5 meters
Simulsat5

3700.0000 - 4200.0000 MHz
36M0G7W
0.00 dBW
Digital Video

Points of Communication:

Site1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
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<td>10/12/2018 - 10/12/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>Nelson M Wilson (d/b/a KBGN)</td>
<td>Date Effective: 03/13/2020</td>
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SITE ID: KBGN Studio
LOCATION: 3303 E. Chicago St, Canyon, Caldwell, ID
43° 39’ 6.19” N LAT. 116° 39’ 26.64” W LONG.

ANTENNA ID: KBGN-1
3.66 meters
Channel Master
TVRO 6107

3700.0000 - 4200.0000 MHz
30M0G7W
Analog audio and digital audio file downloads

Points of Communication:

KBGN Studio - PERMITTED LIST - ()

KBGN Studio - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
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<th>Nature of Service</th>
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<td>10/10/2018 - 10/10/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
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<tr>
<td>Edwards Communications LC</td>
<td>Date Effective: 03/13/2020</td>
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</table>
Nature of Service: Fixed Satellite Service

SITE ID: Wind River Radio
LOCATION: 603 E Pershing, Fremont, Riverton, WY
43° 1' 48.10" N LAT. 108° 22' 59.19" W LONG.

ANTENNA ID: WRRN 3 meters Generic Fiberglass

3700.0000 - 4200.0000 MHz 36M0G7W Audio and Data

Points of Communication:

Wind River Radio - PERMITTED LIST - ()

SES-REG-20181012-05596 E E200299 Virden Broadcasting Corp.
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 03/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Macomb 1
LOCATION: 1034 W Jackson St., McDonough, Macomb, IL, IL
40° 27' 32.90" N LAT. 90° 41' 11.10" W LONG.

ANTENNA ID: Macomb 1 3.7 meters Prodelin 1374

3700.0000 - 4200.0000 MHz 36M0G7W Digital audio

Points of Communication:

Macomb 1 - PERMITTED LIST - ()

SES-REG-20181012-05597 E E200300 WZTV Licensee, LLC
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 03/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WZTV Site 2
LOCATION: 631 Mainstream Drive, Davidson, Nashville, TN
36° 11' 53.36" N LAT. 86° 49' 1.61" W LONG.

ANTENNA ID: 6 4.5 meters Patriot PRT-450

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data

ANTENNA ID: 7 3.7 meters Viking P370

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Data
<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
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<tbody>
<tr>
<td>KNTK studio</td>
<td>HOME FIELD COMMUNICATIONS, LLC</td>
<td></td>
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<tr>
<td>SITE ID: KNTK studio</td>
<td>LOCATION: 330 N 48th ST Suite A, Lancaster, Lincoln, NE</td>
<td>40° 48' 58.50&quot; N LAT. 96° 11' 11.70&quot; W LONG.</td>
<td>3 meters</td>
<td>DH Satellite</td>
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<td>ANTENNA ID: C band - A</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>Broadcast audio programming</td>
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<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1</td>
<td>Site 1</td>
<td>LOCATION: 880 Commonwealth Ave, Washington, Hagerstown, MD</td>
<td>39° 37' 35.00&quot; N LAT. 77° 42' 36.00&quot; W LONG.</td>
<td>3.8 meters</td>
</tr>
<tr>
<td>ANTENNA ID: ANT1</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30M0G7W</td>
<td>0.00 dBW</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES–REG–20181012–05600</td>
<td>10/12/2018 - 10/12/2033</td>
<td>03/13/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>
SITE ID: 1
LOCATION: 755 West 28th Street, Yuma, Yuma, AZ
32° 40' 32.92" N LAT. 114° 37' 41.76" W LONG.

ANTENNA ID: Yuma One 3.8 meters Challenger Prime
3700.0000 - 4200.0000 MHz 36M0G7W Digital

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20181012-05601 E E200304 Frankfort Plant Board
Registration Grant of Authority 10/12/2018 - 10/12/2033
Class of Station: Fixed Earth Stations
Date Effective: 03/11/2020
Nature of Service: Fixed Satellite Service

SITE ID: FPB Headend
LOCATION: Tanglewood Dr., USA, Frankfort, KY
38° 11' 2.10" N LAT. 84° 52' 54.94" W LONG.

ANTENNA ID: FPB1 4.5 meters Patriot sse8345
3700.0000 - 4200.0000 MHz 30M0G7W Video

ANTENNA ID: FPB2 4.5 meters Patriot SSE 8345
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Video

ANTENNA ID: FPB3 4.5 meters Patriot SSE 8345
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Video

ANTENNA ID: FPB4 4.5 meters Patriot SSE 8345
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Video

ANTENNA ID: FPB5 4.5 meters Patriot SSE 8345
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Video

ANTENNA ID: FPB6 4.5 meters Patriot SSE 8345
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Video

ANTENNA ID: FPB7 4.5 meters Patriot SSE 8345
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Video

ANTENNA ID: FPB8 4.5 meters Patriot SSE 8345
3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Video

ANTENNA ID: FPB9  4.5 meters  Patriot  SSE 8345

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Video

ANTENNA ID: FPB10  4.5 meters  Patriot  SSE 8345

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Video

ANTENNA ID: FPB11  4.5 meters  Patriot  SSE 8345

3700.0000 - 4200.0000 MHz  30M0G7W  0.00 dBW  Video

ANTENNA ID: FPB12  4.5 meters  Patriot  SSE 8345

Points of Communication:

FPB Headend - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Capital Media Corporation</th>
<th>Date Effective: 03/11/2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td>10/12/2018 - 10/12/2033</td>
<td>03/11/2020</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 30 Park Avenue, Albany, Cohoes, NY
42 ° 46 ' 35.00 " N LAT. 73 ° 41 ' 13.00 " W LONG.

ANTENNA ID: 3.0M  3 meters  Scientific Atlanta  3.0M

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

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>WTWC Licensee, LLC</th>
<th>Date Effective: 03/11/2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td>10/12/2018 - 10/12/2033</td>
<td>03/11/2020</td>
</tr>
</tbody>
</table>

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WTWC Site 1
LOCATION: 8440 Deerlake Road, Leon, Tallahassee, FL
30 ° 35 ' 11.70 " N LAT. 84 ° 14 ' 10.70 " W LONG.
<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Type</th>
<th>Diameter (m)</th>
<th>ID</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>DH</td>
<td>4.5</td>
<td>DH450</td>
<td>Digital Video and Data</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3700.000 - 4200.0000 MHz 36M0G7W</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Patriot</td>
<td>3.8</td>
<td>PRT380</td>
<td>Digital Video and Data</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3700.000 - 4200.0000 MHz 36M0G7W</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Patriot</td>
<td>3</td>
<td>PRT300</td>
<td>Digital Video and Data</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3700.000 - 4200.0000 MHz 36M0G7W</td>
<td></td>
</tr>
</tbody>
</table>

Points of Communication:

WTWC Site 1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES–REG–20181012–05605</th>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>E200308</td>
<td>Long Nine, Inc.</td>
<td>10/12/2018 - 10/12/2033</td>
<td>03/11/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: MWFB Studio
LOCATION: 1510 N 3rd St, Sangamon, Riverton, IL
39° 51' 43.03" N LAT. 89° 32' 32.59" W LONG.

ANTENNA ID: Site 1 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 36M0G7W Analog/Digital Audio and Video Signals

Points of Communication:

MWFB Studio - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>SES–REG–20181012–05606</th>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>E200309</td>
<td>Galaxy Syracuse Licensee LLC</td>
<td>10/12/2018 - 10/12/2033</td>
<td>03/13/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: Walton St. #1
LOCATION: 235 Walton St., Onondaga, Syracuse, NY
43° 2' 51.60" N LAT. 76° 9' 27.00" W LONG.

ANTENNA ID: 1 3.8 meters DH Satellite 38DH4

3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Audio

Points of Communication:
<table>
<thead>
<tr>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181012-05615</td>
<td>10/12/2018 - 10/12/2033</td>
<td>03/13/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
<tr>
<td>SES-REG-20181013-05619</td>
<td>10/13/2018 - 10/13/2033</td>
<td>03/13/2020</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

**Elmira Studio**

**SITE ID:** Elmira Studio
**LOCATION:** 1705 Lake Road, Chemung, Elmira, NY

**ANTENNA ID:** ANI1
**LOCATION:** DAWNco
**ANTENNA ID:** 3.7 meters
**ANTENNA ID:** SATPACK-D37-radio
**ANTENNA ID:** 3700.0000 - 4200.0000 MHz
**ANTENNA ID:** 36M0G7W
**ANTENNA ID:** Digital

**Points of Communication:**

**Site A**

**SITE ID:** Site A
**LOCATION:** 1202 Pollock Street, Craven, New Bern, NC

**ANTENNA ID:** ANI1
**LOCATION:** Viking
**ANTENNA ID:** 2.4 meters
**ANTENNA ID:** Series 1252
**ANTENNA ID:** 3700.0000 - 4200.0000 MHz
**ANTENNA ID:** 36M0G7W
**ANTENNA ID:** Digital Audio

**Ventura TV Video and Appliance Center, Inc.**

**SITE ID:** 1
**LOCATION:** 3619 E Ventura Ave, Fresno, Fresno, CA

**ANTENNA ID:** 3 meters
**ANTENNA ID:** Prime Focus
### Points of Communication:

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Location Details</th>
<th>Site ID</th>
<th>Location Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1</td>
<td>390 S Highway 102, Mississippi, East Prairie, MO</td>
<td>Site 1</td>
<td>3100 N. Triphammer Rd. Suite 100, Tompkins, Lansing, NY</td>
</tr>
<tr>
<td></td>
<td>36° 47' 49.50&quot; N LAT. 89° 21' 22.60&quot; W LONG.</td>
<td></td>
<td>42° 32' 12.90&quot; N LAT. 76° 29' 36.10&quot; W LONG.</td>
</tr>
</tbody>
</table>

#### Antenna Details:

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Antenna ID</th>
<th>Antenna Type</th>
<th>Frequency Range</th>
<th>Power Level</th>
<th>Service Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site 1</td>
<td>10' Mesh</td>
<td>Prime Focus</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Audio</td>
</tr>
<tr>
<td>Site 1</td>
<td>4.5 meters</td>
<td>Prime Focus</td>
<td>3700.0000 - 4200.0000 MHz</td>
<td>0.00 dBW</td>
<td>Digital Audio</td>
</tr>
</tbody>
</table>

#### Registration and Grant of Authority:

**SES−REG−20181013−05620**

- **Registration**
  - E200322 Delta Broadcasting, LLC

- **Grant of Authority**
  - Date Effective: 03/13/2020
  - Grant of Authority: 10/13/2018 - 10/13/2033

- **Class of Station**: Fixed Earth Stations

- **Nature of Service**: Fixed Satellite Service

#### Points of Communication:

- **Site 1 - PERMITTED LIST - ()**
### E200326 SES-REG-20181013-05624

<table>
<thead>
<tr>
<th>Registration</th>
<th>Elyria Lorain Broadcasting Company</th>
<th>Date Effective: 03/13/2020</th>
</tr>
</thead>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** WEOL Studio

**LOCATION:** 538 Broad St., Lorain, Elyria, OH

41° 22' 2.50" N LAT., 82° 6' 31.60" W LONG.

**ANTENNA ID:** Comtech

**ANTENNA Size:** 3.8 meters

**Antenna ID:**

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

- Analog Audio
  - 3700.0000 - 4200.0000 MHz
  - 36M0F8W 0.00 dBW

**Points of Communication:**

- WEOL Studio - PERMITTED LIST - ()

### E200327 SES-REG-20181013-05625

<table>
<thead>
<tr>
<th>Registration</th>
<th>Armstrong Utilities, Inc.</th>
<th>Date Effective: 03/13/2020</th>
</tr>
</thead>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 2

**LOCATION:** 4002 Shopes Creek Rd, Boyd, Catlettsburg, PA

38° 24' 4.00" N LAT., 82° 39' 27.00" W LONG.

**ANTENNA ID:** BoydCoKY

**ANTENNA Size:** 3.8 meters

**Antenna ID:**

- Video
  - 3700.0000 - 4200.0000 MHz
  - 36M0G7W 0.00 dBW

**Points of Communication:**

- 2 - PERMITTED LIST - ()

### E200329 SES-REG-20181013-05627

<table>
<thead>
<tr>
<th>Registration</th>
<th>Team Radio LLC</th>
<th>Date Effective: 03/13/2020</th>
</tr>
</thead>
</table>

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** KOSB Studio

**LOCATION:** 112 W 7th St, Payne, Stillwater, OK

36° 6' 53.30" N LAT., 97° 3' 33.80" W LONG.
ANTENNA ID: ANT1 3.8 meters VSAT 3.8 meter

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital Audio</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Analog Audio</td>
</tr>
</tbody>
</table>

Points of Communication:

KOSB Studio - PERMITTED LIST - ()

SES–REG–20181013–05628  E  E200330  Flagler Broadcasting, LLC
Registration
Grant of Authority 10/13/2018 - 10/13/2033
Date Effective: 03/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WNZF Studio
LOCATION: 2405 E Moody Blvd Bldg 4, Flagler, Bunnell, FL 29° 28' 27.30" N LAT. 81° 14' 34.70" W LONG.

ANTENNA ID: ANT1 3.7 meters Comtech 3.7 Meter

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>36M0G7W</td>
<td>0.00 dBW</td>
<td>Digital Audio</td>
</tr>
</tbody>
</table>

Points of Communication:

WNZF Studio - PERMITTED LIST - ()

SES–REG–20181013–05629  E  E200331  Fiorini Broadcasting, LLC
Registration
Grant of Authority 10/13/2018 - 10/13/2033
Date Effective: 03/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WENG Englewood
LOCATION: 1355 S River Rd, Sarasota, Englewood, FL 26° 58' 17.34" N LAT. 82° 19' 25.32" W LONG.

ANTENNA ID: Main Dish 3.8 meters Comtech 934D0015-G2

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Service Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>3M00G7W</td>
<td>0.00 dBW</td>
<td>Digital Audio from radio syndication networks</td>
</tr>
</tbody>
</table>

Points of Communication:
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KEYL Studio
LOCATION: 221 Central Avenue Suite 6, Todd, Long Prairie, MN
45 ° 58 ' 25.58 " N LAT. 94 ° 51 ' 42.24 " W LONG.

ANTENNA ID: ANT1 3.7 meters Prodelin 3.7 Meter

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Audio
3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog Audio

Points of Communication:

KEYL Studio - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: WMTM Studio
LOCATION: 100 WMTM Road, Colquitt, Moultrie, GA
31 ° 10 ' 21.50 " N LAT. 83 ° 44 ' 52.40 " W LONG.

ANTENNA ID: ANT1 3.7 meters Prodelin 3.7 Meter

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Analog Audio

Points of Communication:

WMTM Studio - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1
LOCATION: 911 Central Ave., Otoe, Nebraska City, NE
40 ° 40 ' 34.60 " N LAT. 95 ° 51 ' 26.90 " W LONG.

ANTENNA ID: ANT1 3 meters D & H 30DHI
Points of Communication:

Site 1 - PERMITTED LIST - ()

**SES–REG–20181014–05640**

Registration

Red Beacon Communications, LLC

Grant of Authority

10/14/2018 - 10/14/2033

Date Effective: 03/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Site 1 KNEN

LOCATION: 214 North 7th St. Suite 1, Pierce, Norfork, NE

42 ° 2 ’ 4.60 ” N LAT. 97 ° 24 ’ 57.60 ” W LONG.

ANTENNA ID: ANT 1 3.8 meters Patriot 3.8 Prime Focus

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

Points of Communication:

Site 1 KNEN - PERMITTED LIST - ()

**SES–REG–20181014–05649**

Registration

David M Ellington (d/b/a LPTV owner)

Grant of Authority

10/14/2018 - 10/14/2033

Date Effective: 03/11/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Clarksdale, MS

LOCATION: 115 Eddie C. Smith Drive, Coahoma, Clarksdale, MS

34 ° 10 ’ 43.20 ” N LAT. 90 ° 33 ’ 2.90 ” W LONG.

ANTENNA ID: ANT1 3 meters DH Satellite 30DH4

3700.0000 - 4200.0000 MHz 36M0G7W 0.00 dBW Digital Video

Points of Communication:

Clarksdale, MS - PERMITTED LIST - ()

**SES–REG–20181014–05654**

Registration

Channel 3 TV Company LLC

Grant of Authority

10/14/2018 - 10/14/2033

Date Effective: 03/13/2020

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other
SITE ID: Jamaica Court
LOCATION: 3001 S. Jamaica Ct., Arapahoe, Aurora, CO
39 ° 39' 41.00" N LAT. 104 ° 51' 45.00" W LONG.

ANTENNA ID: JC1 3.8 meters Patriot Antenna Sys. PRT-380AZ
3700.0000 - 4200.0000 MHz 36M0G7W Digital

ANTENNA ID: JC2 3.8 meters Patriot Antenna Sys. PRT-380AZ
3700.0000 - 4200.0000 MHz 36M0G7W Digital

Points of Communication:

Jamaica Court - PERMITTED LIST - ()

SES–REG–20181014–05655 E E200352 KNAB, Inc.
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 03/12/2020

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

SITE ID: Site 1
LOCATION: 17543 CR 49, BURLINGTON, CO
37 ° 17' 41.00" N LAT. 102 ° 15' 38.70" W LONG.

ANTENNA ID: Ant 1 3.7 meters PRODELIN 1374
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW

Points of Communication:

Site 1 - PERMITTED LIST - ()

SES–REG–20181014–05658 E E200355 PINES BROADCASTING, INC.
Registration 10/12/2018 - 10/12/2033
Grant of Authority Date Effective: 03/12/2020

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

SITE ID: Warren, AR Site
LOCATION: 1255 N. MYRTLE, Bradley, WARREN, AR
33 ° 38' 8.50" N LAT. 92 ° 3' 48.90" W LONG.

ANTENNA ID: ANT1 3.7 meters STI D-ST12
3700.0000 - 4200.0000 MHz 30M0G7W 0.00 dBW Digital Video
3700.0000 - 4200.0000 MHz 36M0F8F 0.00 dBW Analog Video with associated subcarriers
Points of Communication:

Warren, AR Site - PERMITTED LIST - ()

**SES–REG–20181014–05659**  E200356  PINES BROADCASTING, INC.

Registration
Grant of Authority  10/12/2018 - 10/12/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** Monticello, AR Site
**LOCATION:** 279 Midway Route, Drew, Monticello, AR 33 ° 36 ' 15.50 " N LAT. 91 ° 47 ' 13.00 " W LONG.

**ANTENNA ID:** Site 1 3.7 meters STI D-ST12

- **3700.0000 - 4200.0000 MHz** 30M0G7W 0.00 dBW Digital Video
- **3700.0000 - 4200.0000 MHz** 36M0F8F 0.00 dBW Analog Video with associated subcarriers

Points of Communication:

Monticello, AR Site - PERMITTED LIST - ()

**SES–REG–20181015–05515**  E200220  Houston Christian Broadcasters, Inc.

Registration
Grant of Authority  10/15/2018 - 10/15/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1
**LOCATION:** End of Smokey Mountain Rd, Kerr, Kerrville, TX 30 ° 2 ' 37.00 " N LAT. 99 ° 7 ' 18.00 " W LONG.

**ANTENNA ID:** 1 3 meters SAMI SI-10

- **3700.0000 - 4200.0000 MHz** 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

**SES–REG–20181015–05525**  E200229  Houston Christian Broadcasters, Inc.

Registration
Grant of Authority  10/15/2018 - 10/15/2033

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service
SITE ID: 1
LOCATION: 1168 CR235, Lee, Giddings, TX
30°9'57.00" N LAT. 96°52'17.00" W LONG.

ANTENNA ID: 1 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 400KG7W
3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181015-05527**

Registration E200231 Houston Christian Broadcasters, Inc.
Grant of Authority 10/15/2018 - 10/15/2033
Date Effective: 03/17/2020

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

SITE ID: 1
LOCATION: 280 Ocean Drive North, Calhoun, Port Lavaca, TX
28°31'14.00" N LAT. 96°30'3.00" W LONG.

ANTENNA ID: 1 3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

**SES-REG-20181015-05530**

Registration E200234 Houston Christian Broadcasters, Inc.
Grant of Authority 10/15/2018 - 10/15/2033
Date Effective: 03/17/2020

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

SITE ID: 1
LOCATION: 4466 Box Canyon Road, Val Verde, Del Rio, TX
29°32'27.00" N LAT. 101°7'23.00" W LONG.

ANTENNA ID: 1 3 meters General Dynamics 1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

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

SITE ID: 1
LOCATION: 15770 Becker Lane, Galveston, Santa Fe, TX
29 ° 25 ’ 33.00 ” N LAT. 95 ° 8 ’ 2.00 ” W LONG.

ANTENNA ID: 1
3 meters
Prodelin
1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

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

SITE ID: 1
LOCATION: 676 Still Creek Rd, Clark, AR
34 ° 13 ’ 52.00 ” N LAT. 93 ° 16 ’ 47.00 ” W LONG.

ANTENNA ID: 1
3 meters
General Dynamics
1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

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

SITE ID: 1
LOCATION: 2278 Old Highway 20, Bastrop, McDade, TX
30 ° 12 ’ 56.00 ” N LAT. 97 ° 8 ’ 33.00 ” W LONG.

ANTENNA ID: 1
3 meters
SAMI
SI-10

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Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Registration</th>
<th>Date Effective</th>
<th>Class of Station</th>
<th>Site ID</th>
<th>Location</th>
<th>Nature of Service</th>
<th>Antenna ID</th>
<th>Size</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES–REG–20181015–05536</td>
<td>03/17/2020</td>
<td>Fixed Earth Stations</td>
<td>1</td>
<td>925 Plain Dealing Road, Webster, Springhill, LA</td>
<td>Fixed Satellite Service</td>
<td>1304</td>
<td>3 meters</td>
<td>Prodelin</td>
</tr>
<tr>
<td></td>
<td>10/15/2018 - 10/15/2033</td>
<td>Fixed Earth Stations</td>
<td></td>
<td>93 ° 28 ' 39.00 &quot; W LONG.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10/15/2018 - 10/15/2033</td>
<td>Fixed Satellite Service</td>
<td></td>
<td>33 ° 0 ' 32.00 &quot; N LAT.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SES–REG–20181015–05542</td>
<td>03/16/2020</td>
<td>Fixed Earth Stations</td>
<td>1</td>
<td>2001 Waymaker Way, Travis, Austin, TX</td>
<td>Fixed Satellite Service</td>
<td>1304</td>
<td>3 meters</td>
<td>Prodelin</td>
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<tr>
<td></td>
<td>10/15/2018 - 10/15/2033</td>
<td>Fixed Satellite Service</td>
<td></td>
<td>97 ° 48 ' 9.00 &quot; W LONG.</td>
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<tr>
<td></td>
<td>10/15/2018 - 10/15/2033</td>
<td>Fixed Satellite Service</td>
<td></td>
<td>30 ° 19 ' 22.00 &quot; N LAT.</td>
<td></td>
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</tr>
</tbody>
</table>
SITE ID: 1
LOCATION: 19801 N Hwy 77, Victoria, Victoria, TX
29 ° 0' 6.00" N LAT. 97 ° 0' 6.00" W LONG.

ANTENNA ID: 1 3 meters General Dynamics 1304
3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Reference</th>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181015-05544</td>
<td>E200248 Houston Christian Broadcasters, Inc.</td>
<td>10/15/2018 - 10/15/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: 1
LOCATION: 19801 N Hwy 77, Victoria, Victoria, TN
29 ° 0' 6.00" N LAT. 97 ° 0' 6.00" W LONG.

ANTENNA ID: 1 3 meters General Dynamics 1304
3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

<table>
<thead>
<tr>
<th>Reference</th>
<th>Registration</th>
<th>Grant of Authority</th>
<th>Class of Station</th>
<th>Nature of Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES-REG-20181015-05545</td>
<td>E200249 Houston Christian Broadcasters, Inc.</td>
<td>10/15/2018 - 10/15/2033</td>
<td>Fixed Earth Stations</td>
<td>Fixed Satellite Service</td>
</tr>
</tbody>
</table>

SITE ID: 1
LOCATION: 13840 Hwy 84 E, De Soto, Stanley, LA
31 ° 57' 45.00" N LAT. 93 ° 54' 1.00" W LONG.

ANTENNA ID: 1 3.7 meters Heritage 3700cm
3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

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

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 22 Utility Drive, Flagler, Palm Coast, FL
29°32’53.00” N LAT. 81°12’32.00” W LONG.

ANTENNA ID: 1
3 meters Prodelin 1304

3700.0000 - 4200.0000 MHz 400KG7W

Points of Communication:

1 - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: KAET/CSJ Studio
LOCATION: 555 N. Central Av Suite 500, Maricopa, Phoenix, AZ
33°27’13.20” N LAT. 112°4’22.50” W LONG.

ANTENNA ID: KAET/CSJ 4.5 meters Patriot Antenna Systems PRT-450

3700.0000 - 4200.0000 MHz 36M0G7W 8PSK TV programming streams

Points of Communication:

KAET/CSJ Studio - PERMITTED LIST - ()

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1006 E Holland Ave, Alpine, TX
30°21’35.90” N LAT. 103°39’6.95” W LONG.

ANTENNA ID: 1
3.8 meters Patriot Comm Ant EZ Mount
Points of Communication:

1 - PERMITTED LIST - ()

**SES-RWL-20200228-00225**  E  E050084  Kuskokwim Public Broadcasting Corp.
Renewal  Grant of Authority  Date Effective: 03/29/2020 - 03/29/2035
Class of Station:  Fixed Earth Stations
Nature of Service:  Domestic Fixed Satellite Service
SITE ID:  1
LOCATION:  870 AIRPORT ROAD (KSKO-AM), YUKON KOYUKUK, MCGRATH, AK
62 ° 57 ’ 25.20 ” N LAT.  155 ° 35 ’ 56.00 ” W LONG.
ANTENNA ID:  PATRIOT ANTENNA SYSTEMS
4.5 meters
3700.0000 - 4200.0000 MHz  10M3G7W  0.00 dBW  DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz  30K0F1D  0.00 dBW  DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - PERMITTED LIST - ()

**SES-STA-20191126-01593**  E  E190099  SES Americom, Inc.
Grant of Authority  Date Effective: 03/11/2020
Class of Station:  Special Temporary Authority

SES Americom, Inc. was granted special temporary authority for 30 days, beginning March 11, 2020, to operate its fixed earth station in Haleiwa, HI to provide telemetry, tracking and command (TT&C) services for the Dutch-licensed NSS-6 satellite during its drift from 86.8° W.L. to its authorized orbital location of 169.5° W.L. on the following center frequencies: 14496.0 MHz and 14499.0 MHz (Earth-to-space), 11198.0 MHz and 11199.5 MHz (space-to-Earth).

Points of Communication:
On March 12, 2020, DIRECTV Enterprises, LLC was granted special temporary authority for 60 days, beginning March 15, 2020, to operate its fixed earth station in Castle Rock, CO to provide telemetry, tracking and command services for the SPACEWAY 2 (S2133) satellite during its drift from the 99.075° W.L. orbital location to its new permanent location at 138.9° W.L. and to maintain the satellite at the 138.9° W.L. orbital location. Operations are limited to center frequencies: 29503.9063 MHz and 29511.7189 MHz (Earth-to-space), and 19701.75 MHz and 19702.75 MHz (space-to-Earth).

Points of Communication:

On March 13, 2020, DIRECTV Enterprises LLC, a wholly-owned subsidiary of AT&T, Inc. (collectively AT&T) was granted special temporary authority for 30 days, beginning March 15, 2020, to operate its fixed earth station in Moxee, WA to provide telemetry, tracking and command (TT&C) services for the SPACEWAY 2 (S2133) satellite during its drift from the 99.075° W.L. orbital location to its new permanent location at 138.9° W.L. on the following center frequencies: 29503.9063 MHz, and 29511.7189 MHz (Earth-to-space) and 19701.75 MHz and 19702.75 MHz (space-to-Earth).
On March 10, 2020, COMSAT, Inc was granted special temporary authority for 60 days, beginning March 10, 2020, to operate its Santa Paula, CA 12.8-meter Hub antenna to communication with the Inmarsat 3F2 satellite at the 15.5° W.L. orbital location on the following center frequencies: 1638.90 MHz, 1639.18 MHz, 1639.22 MHz, (Earth-to-space) and 1537.29 MHz, and 1537.295 MHz (space-to-Earth); and 6423.5 MHz, 6421.5 MHz, 6341.5 MHz, and 6339.5 MHz, (Earth-to-space) and 3950.6 MHz, and 3928.5 MHz (space-to-Earth).

Points of Communication:

On March 13, 2020, NewCom International, Inc. was granted special temporary authority for 60 days, beginning March 13, 2020, to operate its fixed earth station 2.4-meter antenna in Miami, FL to communicate with the EUTELSAT 115WB (S2938) satellite at the 114.9° W.L orbital location in the 5925-6182.065 MHz (Earth-to-space) frequency band, and operate a 13-meter antenna to communicate with the INTELSAT-904 (S2408) satellite at the 24.9° W.L. orbital location in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

Points of Communication:

On March 16, 2020, University of Alaska d/b/a KUAC was granted special temporary authority for 60 days, beginning March 16, 2020, to operate a 4.5-meter antenna in Fairbanks, AK to communicate with the AMC-18 (S2713) satellite at the 139° W.L. orbital location in the 6060-6425 MHz (Earth-to-space) frequency band.

Points of Communication:

On March 13, 2020, Planet Labs Inc. was granted special temporary authority for 60 days, beginning March 13, 2020, to operate its fixed earth station in Maddock, ND to communicate with the SkySat (S2862) satellite system in the 449.97-450.03 MHz (Earth-to-space), and 401.27-401.33 MHz and 8025-8400 MHz (space-to-Earth) frequency bands on a non-interference and non-protected basis.

Points of Communication:

On March 13, 2020, Intelsat License LLC was granted special temporary authority for 60 days, beginning March 13, 2020, to operate its fixed earth station in Seattle, WA to communicate with the Intelsat-905 (S2373) satellite in the 7155.89-7165.93 MHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.
On March 13, 2020, Intelsat License LLC was granted special temporary authority for 60 days, beginning March 13, 2020, to continue to operate its fixed earth station in Ellenwood, GA to provide telemetry, tracking and command (TT&C) services for the Galaxy 11 (S2253) satellite On-Station at the 93.1° W.L. permanent orbital location. TT&C operations will continue to be performed using the following frequencies: 14000.5 MHz and 14498.5 MHz (Earth-to-space); and 11701.0 MHz and 11702.0 MHz (space-to-Earth).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20200306–00222</th>
<th>E190862</th>
<th>GCI Communication Corp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective: 03/16/2020</td>
</tr>
</tbody>
</table>

Class of Station:

On March 16, 2020, GCI Communication Corp. was granted special temporary authority for 60 days, beginning March 16, 2020, to operate its 4.5-meter antenna in Huslia, AK to communicate with the Galaxy 18 (S2733) satellite at the 123° W.L. orbital location and the ANIK F3 (S2703) satellite at the 118.7° W.L. orbital location in the 3700-4200 MHz (space-to-Earth), and 5925-6425 MHz (Earth-to-space) frequency bands.

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20200309–00224</th>
<th>KA288</th>
<th>SES Americom, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective: 03/16/2020</td>
</tr>
</tbody>
</table>

Class of Station:

On March 16, 2022, SES Americom, Inc. was granted special temporary authority for 30 days to operate its fixed earth station in Somis, CA to provide telemetry, tracking and command (TT&C) services for the Dutch-licensed NSS-6 satellite as it drifts from 95° E.L. orbital location to 86.8° W.L. orbital location on the following center frequencies: 14496.0 MHz and 14499.0 MHz (Earth-to-space), 11198.0 MHz and 11199.5 MHz (space-to-Earth).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20200310–00233</th>
<th>E4132</th>
<th>Intelsat License LLC</th>
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</thead>
<tbody>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective: 03/13/2020</td>
</tr>
</tbody>
</table>

Class of Station:

On March 13, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning March 14, 2020, to operate its fixed earth station in Fillmore, CA to provide launch and early orbit phase (LEOP) services for the GISAT-1 satellite licensed by India as it drifts to the 93.5° E.L. orbital location. LEOP services will be performed on the following center frequencies: 6423.208 MHz, and 6425.980 MHz (Earth-to-space); and 4199.145 MHz, and 4199.582 MHz (space-to-Earth).

Points of Communication:

<table>
<thead>
<tr>
<th>SES–STA–20200312–00237</th>
<th>E170039</th>
<th>Intelsat License LLC</th>
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<tbody>
<tr>
<td>Grant of Authority</td>
<td></td>
<td>Date Effective: 03/12/2020</td>
</tr>
</tbody>
</table>

Class of Station:

On March 12, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning March 16, 2020, to operate its fixed earth station in Riverside, CA to provide telemetry, tracking and command (TT&C) services for its SPACEWAY 2 (S2133) satellite during the satellite's drift from 99.075° W.L. to 138.9° W.L. orbital location on the following center frequencies: 29503.9063 MHz and 29511.7189 MHz (Earth-to-space) and 19701.75 MHz and 19702.75 MHz (space-to-Earth).
Points of Communication:

**SES-STA-20200312-00241**  E  E990323  Intelsat License LLC
Special Temporary Authority  
Grant of Authority  
Date Effective: 03/16/2020

**Class of Station:**

On March 16, 2020, Intelsat License LLC was granted special temporary authority for 30 days, beginning March 23, 2020, to operate fixed earth station in Castle Rock, CO to provide back-up telemetry, tracking and command ("TT&C") services for the United Kingdom licensed HYLAS-1 satellite as it drifts from 79.0° W.L. orbital location on the following center frequencies 17302.048 MHz and 17305.051 MHz (Earth-to-space); and 11701.008 MHz and 11702.808 MHz (space-to-Earth).

Points of Communication:

**SES-STA-20200316-00244**  E  E000220  AMC Networks Broadcasting and Technology LLC
Special Temporary Authority  
Grant of Authority  
Date Effective: 03/17/2020

**Class of Station:**

On March 17, 2020, AMC Networks was granted special temporary authority, for 60 days beginning March 17, 2020, to operate earth stations E000220, E040445, E000597, E000228, and E010028 by remote control.

Points of Communication:

**SURRENDER**  
**SES-LIC-20050228-00236**  E  E050050  Westar Satellite Services LP  
License surrendered by letter filed on March 11, 2020.

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