Report No. SES-02302

Wednesday September 16, 2020

Satellite Communications Services
re: Satellite Radio Applications Accepted For Filing

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

SES-LIC-20200508-00523
Application for Authority
Class of Station: VSAT Network
Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 8811 Trigg Loop, Las Cruces, NM
32° 15' 30.00" N LAT. 106° 54' 30.00" W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>Frequency Range</th>
<th>Gain</th>
<th>Modulation Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>W24</td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>350KG7D</td>
<td>0.00 dBW</td>
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<tr>
<td></td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>1M20G7D</td>
<td>0.00 dBW</td>
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<tr>
<td></td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>1M50G7D</td>
<td>0.00 dBW</td>
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<tr>
<td></td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>3M00G7D</td>
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<td>11700.0000 - 12200.0000 MHz</td>
<td>4M50G7D</td>
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<tr>
<td></td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>6M00G7D</td>
<td>0.00 dBW</td>
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<tr>
<td></td>
<td>11700.0000 - 12200.0000 MHz</td>
<td>9M00G7D</td>
<td>0.00 dBW</td>
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<tr>
<td></td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>1M20G7D</td>
<td>57.00 dBW</td>
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<tr>
<td></td>
<td>14000.0000 - 14500.0000 MHz</td>
<td>10M5G7D</td>
<td>67.00 dBW</td>
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Points of Communication:

SES-LIC-20200903-00976  E202152  SpaceX Services, Inc.
Application for Authority
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: Gaffney, SC Gateway
LOCATION: Cherokee, Gaffney, SC
34° 59' 7.10" N LAT. 81° 43' 59.10" W LONG.

ANTENNA ID: CO-1  1.47 meters  SpaceX  1.47M

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Bandwidth</th>
<th>Power</th>
<th>Modulation and Coding</th>
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<tr>
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<td>0.00 dBW</td>
<td>BPSK up to 64 QAM; Digital Data</td>
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<tr>
<td>18800.0000 - 19300.0000 MHz</td>
<td>0.00 dBW</td>
<td>BPSK up to 64 QAM; Digital Data</td>
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<tr>
<td>27500.0000 - 29100.0000 MHz</td>
<td>60.50 dBW</td>
<td>BPSK up to 64 QAM; Digital Data</td>
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<tr>
<td>29500.0000 - 30000.0000 MHz</td>
<td>60.50 dBW</td>
<td>BPSK up to 64 QAM; Digital Data</td>
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Points of Communication:

Gaffney, SC Gateway - SPACEX (S2983/3018) - (NGSO)

SES-MOD-20191106-01415  E2274  Alascom, Inc.
Application for Modification
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

Alascom, Inc. requests modification of its fixed earth station in Akhiok, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN FOURTH AVE., KODIAK ISLAND BOR, AKHIOK, AK
56° 56' 46.20" N LAT. 154° 10' 1.40" W LONG.

ANTENNA ID: 1  4.5 meters  ANDREW  ESA45T

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Bandwidth</th>
<th>Power</th>
<th>Modulation and Coding</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>54.40 dBW</td>
<td>VARIOUS PSK &amp; QAM-VOICE AND DATA</td>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>59.50 dBW</td>
<td>VARIOUS PSK &amp; QAM-VOICE AND DATA</td>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>51.40 dBW</td>
<td>VARIOUS PSK &amp; QAM-DATA</td>
<td></td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>59.50 dBW</td>
<td>VARIOUS PSK &amp; QAM-DATA</td>
<td></td>
</tr>
</tbody>
</table>
Alascom, Inc. requests modification of its fixed earth station in Sleetmute, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN SLEETMUTE, BETHEL, SLEETMUTE, AK
61° 42' 6.00" N LAT. 157° 10' 20.00" W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-39239

3700.0000 - 4200.0000 MHz 18M9G1D 51.80 dBW VARIOUS PSK & QAM - VOICE AND DATA
3700.0000 - 4200.0000 MHz 57K0G7W 0.00 dBW VARIOUS PSK & QAM - DATA

Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

Application for Modification
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
### Points of Communication:

- **1 - PERMITTED LIST - ()**
- **1 - SPACEWAY 2 (S2133) - (138.9 W.L.)**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation</th>
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</thead>
<tbody>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>29K0G1D</td>
<td>0.00 dBW</td>
<td>VARIOUS PSK &amp; QAM - DATA</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>18M9G7W</td>
<td>0.00 dBW</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>57K0G7W</td>
<td>0.00 dBW</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
</tr>
</tbody>
</table>

**ANTENNA ID:** 2  
**1.2 meters**  
**GEN. DYNAMICS**  
**3122**

- **29500.0000 - 30000.0000 MHz**: 29K0G7W 29.16 dBW DIGITAL DATA
- **29500.0000 - 30000.0000 MHz**: 15M0G7W 56.30 dBW DIGITAL DATA
- **19700.0000 - 20200.0000 MHz**: 29K0G7W DIGITAL DATA
- **19700.0000 - 20200.0000 MHz**: 15M0G7W DIGITAL DATA

Alascom, Inc. requests modification of its fixed earth station in Stevens Village, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

**SITE ID:** 1  
**LOCATION:** NSN 3RD ST., YUKON-KOYUKUK, STEVENS VILLAGE, AK  
**66° 0' 32.00" N LAT.**  
**149° 5' 33.00" W LONG.**

**ANTENNA ID:** 1  
**4.5 meters**  
**ANDREW CORPORATION**  
**ESA45-39239**

- **5925.0000 - 6425.0000 MHz**: 1M15G7W 62.52 dBW QPSK, VOICE, DATA, FEC 7/8, ADPCM
- **3700.0000 - 4200.0000 MHz**: 1M15G7W QPSK, VOICE, DATA, FEC 7/8, ADPCM

**ANTENNA ID:** 2  
**1.2 meters**  
**GEN. DYNAMICS**  
**3122**

- **29500.0000 - 30000.0000 MHz**: 29K0G7W 29.16 dBW DIGITAL DATA
- **29500.0000 - 30000.0000 MHz**: 15M0G7W 56.30 dBW DIGITAL DATA
- **19700.0000 - 20200.0000 MHz**: 29K0G7W DIGITAL DATA

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Page 4 of 19
Alascom, Inc. requests modification of its fixed earth station in Tanana, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN GARDEN ST., YUKON-KOYUKUK, TANANA, AK
65 ° 10 ’ 24.00 ” N LAT. 152 ° 4 ’ 38.00 ” W LONG.

Points of Communication:

1 - PERMITTED LIST - ()
1 - SPACEWAY 2 (S2133) - (138.9 W.L.)
Alascom, Inc. requests modification of its fixed earth station in Venetie, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN VENETIE, YUKON-KOYUKUK, VENETIE, AK
67 ° 1' 6.00 " N LAT. 146 ° 25' 14.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-39239
5925.0000 - 6425.0000 MHz 86K4G1D 49.90 dBW QPSK, SCPC, DCU, VOICE/DATA, FEC 1/2
5925.0000 - 6425.0000 MHz 13K3G1E 42.20 dBW QPSK, SCPC, CELP, VOICE/DATA, FEC 3/4
3700.0000 - 4200.0000 MHz 86K4G1D QPSK, SCPC, DCU, VOICE/DATA, FEC 1/2
3700.0000 - 4200.0000 MHz 13K3G1E QPSK, SCPC, CELP, VOICE/DATA, FEC 3/4

ANTENNA ID: 2 1.2 meters GEN. DYNAMICS 3122
29500.0000 - 30000.0000 MHz 29K0G7W 29.16 dBW DIGITAL DATA
29500.0000 - 30000.0000 MHz 15M0G7W 56.30 dBW DIGITAL DATA
19700.0000 - 20200.0000 MHz 29K0G7W DIGITAL DATA
19700.0000 - 20200.0000 MHz 15M0G7W DIGITAL DATA

Points of Communication:

1 - PERMITTED LIST - ()
1 - SPACEWAY 2 (S2133) - (138.9 W.L.)
Alascom, Inc. requests modification of its fixed earth station in Allakaket, AK to add a 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9° W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN D STREET, ALLAKAKET, AK
66 ° 33 ' 53.00 " N LAT. 152 ° 38 ' 38.00 " W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
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<th>4.5 meters</th>
<th>ANDREW</th>
<th>ES45AP</th>
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<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>13M9G1D</td>
<td>59.20 dBW</td>
<td>VARIOUS PSK &amp; QAM - DATA</td>
<td></td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>29K0G1D</td>
<td>51.10 dBW</td>
<td>VARIOUS PSK &amp; QAM - DATA</td>
<td></td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>13M9G7W</td>
<td>59.20 dBW</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
<td></td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>57K0G7W</td>
<td>54.10 dBW</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>13M9G1D</td>
<td>VARIOUS PSK &amp; QAM - DATA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>29K0G1D</td>
<td>VARIOUS PSK &amp; QAM - DATA</td>
<td></td>
<td></td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>13M9G7W</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>57K0G7W</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
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<table>
<thead>
<tr>
<th>ANTENNA ID:</th>
<th>2</th>
<th>1.2 meters</th>
<th>GEN. DYNAMICS</th>
<th>3122</th>
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<tbody>
<tr>
<td>29500.0000 - 30000.0000 MHz</td>
<td>29K0G7W</td>
<td>29.16 dBW</td>
<td>DIGITAL DATA</td>
<td></td>
</tr>
<tr>
<td>29500.0000 - 30000.0000 MHz</td>
<td>15M0G7W</td>
<td>56.30 dBW</td>
<td>DIGITAL DATA</td>
<td></td>
</tr>
<tr>
<td>19700.0000 - 20200.0000 MHz</td>
<td>29K0G7W</td>
<td>DIGITAL DATA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19700.0000 - 20200.0000 MHz</td>
<td>15M0G7W</td>
<td>DIGITAL DATA</td>
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Points of Communication:

1 - PERMITTED LIST - ()
1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

Alascom, Inc. requests modification of its fixed earth station in Allakaket, AK to add a 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9° W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.
Alascom, Inc. requests modification of its fixed earth station in Atka, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN TIKILUK ST., ATKA, ATKA, AK
62 ° 11' 59.00'' N LAT. 174 ° 11' 43.00'' W LONG.

Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)
<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>EIRP</th>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>30K0F3W</td>
<td>45.80 dBW</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>24K0G1D</td>
<td>40.60 dBW</td>
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<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>86K4G1D</td>
<td>54.80 dBW</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>75K6G1D</td>
<td>54.20 dBW</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>53K3G1W</td>
<td>54.10 dBW</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>26K7G1W</td>
<td>51.00 dBW</td>
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<td>5925.0000 - 6425.0000 MHz</td>
<td>13K3G1E</td>
<td>36.60 dBW</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>30K0F3W</td>
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</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>24K0G1D</td>
<td></td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>86K4G1D</td>
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</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>75K6G1D</td>
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<td>3700.0000 - 4200.0000 MHz</td>
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<td>3700.0000 - 4200.0000 MHz</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>13K3G1E</td>
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</tr>
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</table>

**ANTENNA ID:** 2  
1.2 meters  
**GEN. DYNAMICS** 3122

### Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

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**SES–MOD–20191107–01471**  
**Application for Modification**

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Page 9 of 19
Alascom, Inc. requests modification of its fixed earth station in Arctic Village, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN, ARCTIC VILLAGE, AK
68 ° 7 ’ 31.10 ” N LAT.
145 ° 32 ’ 20.00 ” W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>1</th>
<th>4.5 meters</th>
<th>ANDREW CORPORATION</th>
<th>ESA45-39239</th>
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</thead>
<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>29K0G7W</td>
<td>52.10 dBW</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
<td></td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>15M0G7W</td>
<td>57.16 dBW</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
<td></td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>29K0G7W</td>
<td>56.30 dBW</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
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<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>15M0G7W</td>
<td>57.16 dBW</td>
<td>VARIOUS PSK &amp; QAM - VOICE AND DATA</td>
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<table>
<thead>
<tr>
<th>ANTENNA ID</th>
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<th>1.2 meters</th>
<th>GEN. DYNAMICS</th>
<th>3122</th>
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<tbody>
<tr>
<td>29500.0000 - 30000.0000 MHz</td>
<td>29K0G7W</td>
<td>29.16 dBW</td>
<td>DIGITAL DATA</td>
<td></td>
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<tr>
<td>29500.0000 - 30000.0000 MHz</td>
<td>15M0G7W</td>
<td>56.30 dBW</td>
<td>DIGITAL DATA</td>
<td></td>
</tr>
<tr>
<td>19700.0000 - 20200.0000 MHz</td>
<td>29K0G7W</td>
<td>29.16 dBW</td>
<td>DIGITAL DATA</td>
<td></td>
</tr>
<tr>
<td>19700.0000 - 20200.0000 MHz</td>
<td>15M0G7W</td>
<td>29.16 dBW</td>
<td>DIGITAL DATA</td>
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Points of Communication:

1 - PERMITTED LIST - ()
1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

Alascom, Inc. requests modification of its fixed earth station in Anvik, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN ROAD TO AIRPORT, ANVIK, AK
62 ° 38 ’ 59.00 ” N LAT.
160 ° 11 ’ 34.00 ” W LONG.

<table>
<thead>
<tr>
<th>ANTENNA ID</th>
<th>1</th>
<th>4.5 meters</th>
<th>ANDREW CORPORATION</th>
<th>ESA5-46A</th>
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</table>
Alascom, Inc. requests modification of its fixed earth station in Kalskag, AK to add an 1.2-meter antenna to communicate with the Spaceway-2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

Alascom, Inc. requests modification of its fixed earth station in Kalskag, AK to add an 1.2-meter antenna to communicate with the Spaceway-2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

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Alascom, Inc. requests modification of its fixed earth station in Hughes, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

**Points of Communication:**

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

**Application for Modification**

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

Alascom, Inc. requests modification of its fixed earth station in Hughes, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.
Alascom, Inc. requests modification of its fixed earth station in Dot Lake, AK to add a 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITES

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

ESA-MOD-20191122-01574  E000650  Alascom, Inc.

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Alascom, Inc. requests modification of its fixed earth station in Dot Lake, AK to add a 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: 14 MILES WEST OF, DOT LAKE, AK

63 ° 41 ' 28.60 " N LAT. 144 ° 36 ' 3.20 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORP ESA45-46

5925.0000 - 6425.0000 MHz  1M77G7W  56.20 dBW QPSK, VOICE/DATA, FEC 7/8
5925.0000 - 6425.0000 MHz  30K0F3W  48.60 dBW FM, VOICE/DATA
3700.0000 - 4200.0000 MHz  1M77G7W
3700.0000 - 4200.0000 MHz  30K0F3W

ANTENNA ID: 2 1.2 meters GEN. DYNAMICS 3122

29500.0000 - 30000.0000 MHz  29K0G7W  29.16 dBW DIGITAL DATA
29500.0000 - 30000.0000 MHz  15M0G7W  56.30 dBW DIGITAL DATA
19700.0000 - 20200.0000 MHz  29K0G7W
19700.0000 - 20200.0000 MHz  15M0G7W

Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)
Alascom, Inc. requests modification of its fixed earth station in Minchumina, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)
### Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

**SES-MOD-20191122-01584**  
E6239  
Alascom, Inc.

**Application for Modification**

**Class of Station:** Fixed Earth Stations  

**Nature of Service:** Fixed Satellite Service

Alascom, Inc. requests modification of its fixed earth station in Lime Village, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

**SITE ID:** 1  
**LOCATION:** NSN LIME VILLAGE, BETHEL, LIME VILLAGE, AK  
61 ° 21 ' 20.00 " N LAT.  
155 ° 26 ' 4.00 " W LONG.

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>29K0G7W</td>
<td>52.10 dBW</td>
<td>VARIOUS PSK &amp;QAM-VOICE AND DATA</td>
</tr>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>15M0G7W</td>
<td>57.16 dBW</td>
<td>VARIOUS PSK &amp;QAM-VOICE AND DATA</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>29K0G7W</td>
<td>57.16 dBW</td>
<td>VARIOUS PSK &amp;QAM-VOICE AND DATA</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>15M0G7W</td>
<td>56.30 dBW</td>
<td>VARIOUS PSK &amp;QAM-VOICE AND DATA</td>
</tr>
</tbody>
</table>

**ANTENNA ID:** 2  
**LOCATION:** ANDREW CORPORATION  
4.5 meters  
**Modulation Details:** QPSK, VOICE, DATA, FEC 7/8, ADPCM

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>29500.0000 - 30000.0000 MHz</td>
<td>29K0G7W</td>
<td>29.16 dBW</td>
<td>DIGITAL DATA</td>
</tr>
<tr>
<td>29500.0000 - 30000.0000 MHz</td>
<td>15M0G7W</td>
<td>29.16 dBW</td>
<td>DIGITAL DATA</td>
</tr>
<tr>
<td>19700.0000 - 20200.0000 MHz</td>
<td>29K0G7W</td>
<td>29.16 dBW</td>
<td>DIGITAL DATA</td>
</tr>
<tr>
<td>19700.0000 - 20200.0000 MHz</td>
<td>15M0G7W</td>
<td>29.16 dBW</td>
<td>DIGITAL DATA</td>
</tr>
</tbody>
</table>

**ANTENNA ID:** 1  
**LOCATION:** ESA5-46A  
4.5 meters  
**Modulation Details:** QPSK, VOICE, DATA, FEC 7/8, ADPCM

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Antenna ID</th>
<th>Power Level</th>
<th>Modulation Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>5925.0000 - 6425.0000 MHz</td>
<td>1M15G7W</td>
<td>62.80 dBW</td>
<td>QPSK, VOICE, DATA, FEC 7/8, ADPCM</td>
</tr>
<tr>
<td>3700.0000 - 4200.0000 MHz</td>
<td>1M15G7W</td>
<td>62.80 dBW</td>
<td>QPSK, VOICE, DATA, FEC 7/8, ADPCM</td>
</tr>
</tbody>
</table>

**ANTENNA ID:** 2  
**LOCATION:** GEN. DYNAMICS  
1.2 meters  
**Modulation Details:** DIGITAL DATA
Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

Application for Modification
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

Alascom, Inc. requests modification of its fixed earth station in Eagle City, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

SITE ID: 1
LOCATION: NSN FIRST & AUMUNDSON STS., EAGLE CITY, AK
64 ° 47 ' 13.00 " N LAT. 141 ° 11 ' 56.30 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORP. ESA45-46A
5925.0000 - 6425.0000 MHz 1M15G7W 56.70 dBW QPSK, T1, ADPCM
3700.0000 - 4200.0000 MHz 1M15G7W QPSK, T1, ADPCM

ANTENNA ID: 2 1.2 meters GEN. DYNAMICS 3122
29500.0000 - 30000.0000 MHz 29K0G7W 29.16 dBW DIGITAL DATA
29500.0000 - 30000.0000 MHz 15M0G7W 56.30 dBW DIGITAL DATA
19700.0000 - 20200.0000 MHz 29K0G7W DIGITAL DATA
19700.0000 - 20200.0000 MHz 15M0G7W DIGITAL DATA

Points of Communication:

1 - PERMITTED LIST - ()

1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

Application for Modification
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service
Alascom, Inc. requests modification of its fixed earth station in Nikolai, AK to add an 1.2-meter antenna to communicate with the Spaceway 2 satellite at the 138.9º W.L. orbital location in the 29500-30000 MHz (Earth-to-space), and 19700-20200 MHz (space-to-Earth) frequency bands. This station will continue operations with Permitted List satellites in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands.

**SITE ID:** 1  
**LOCATION:** NSN NIKOLAI EARTH STATION, YUKON-KOYUKUK, NIKOLAI, AK  
63 ° 0 ' 41.00 " N LAT. 154 ° 22 ' 51.00 " W LONG.  

**ANTENNA ID:** 1  
**4.5 meters**  
ANDREW CORP.  
49900-2  
5925.0000 - 6425.0000 MHz  
1M15G7W  
62.72 dBW  
QPSK, VOICE, DATA, FEC 7/8, ADPCM  
3700.0000 - 4200.0000 MHz  
1M15G7W  
QPSK, VOICE, DATA, FEC 7/8, ADPCM

**ANTENNA ID:** 2  
**1.2 meters**  
GEN. DYNAMICS  
3122  
29500.0000 - 30000.0000 MHz  
29K0G7W  
29.16 dBW  
DIGITAL DATA  
29500.0000 - 30000.0000 MHz  
15M0G7W  
56.30 dBW  
DIGITAL DATA  
19700.0000 - 20200.0000 MHz  
29K0G7W  
DIGITAL DATA  
19700.0000 - 20200.0000 MHz  
15M0G7W  
DIGITAL DATA

**Points of Communication:**  
1 - PERMITTED LIST - ()  
1 - SPACEWAY 2 (S2133) - (138.9 W.L.)

**Telesat Network Services, Inc. requests modification of its fixed earth station in Middletown, VA to replace the 9.4-meter antenna with a 9.2-meter antenna and correct polarization to Left and Right Circular.**

**SITE ID:** 1  
**LOCATION:** 8209 Valley Pike, Fredrick, Middletown, VA  
39 ° 1 ' 1.00 " N LAT. 78 ° 17 ' 28.80 " W LONG.  

**ANTENNA ID:** MID9.2  
**9.2 meters**  
GENERAL DYNAMICS  
9.2M. KA  
29300.0000 - 30000.0000 MHz  
500KG7D  
66.50 dBW  
Variable modulation with a maximum of 32 APSK and minimum of QPSK  
29300.0000 - 30000.0000 MHz  
56M0G7D  
87.00 dBW  
Variable modulation with a maximum of 32 APSK and minimum of QPSK
Points of Communication:

1 - TELSTAR 19V - (63 W.L.)

SES–REG–20181013–07059   E202156 Victoria RadioWorks, LLC
Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: KVNN studio/xmtr
LOCATION: 3613 North Main, Victoria, Victoria, TX
28 ° 49 ' 50.00 " N LAT. 97 ° 0 ' 34.00 " W LONG.

ANTENNA ID: 1 4.5 meters

3700.0000 - 4200.0000 MHz

Points of Communication:

KVNN studio/xmtr - AMC-18 (S2713) - (139 WL)
For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 1-888-835-5322.