



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-02285

Wednesday July 15, 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-AMD-20200625-00675 E E200945 Fox Television Stations, LLC
Amendment

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-LIC-20200310-00226 for a description of application.

SITE ID: SAT-IP4

LOCATION:

| | | | | |
|-------------|-----------------------------|------------|----------------------|----------|
| ANTENNA ID: | SAT-IP4 | 1.2 meters | SatLite Technologies | 1256-AMT |
| | 14000.0000 - 14500.0000 MHz | 24M0G7F | 62.15 dBW | QPSK |
| | 11700.0000 - 12200.0000 MHz | 24M0G7F | 0.00 dBW | QPSK |

Points of Communication:

SAT-IP4 - PERMITTED LIST - ()

SES-LIC-20200310-00226 E E200945 Fox Television Stations, LLC
Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-AMD-20200625-00675 for a description of application.

SITE ID: SAT-IP4
LOCATION:

| | | | | |
|-------------|-----------------------------|------------|----------------------|-----------|
| ANTENNA ID: | SAT-IP4 | 1.2 meters | SatLite Technologies | 1256-AMT |
| | 14000.0000 - 14500.0000 MHz | | 24M0G7F | 62.15 dBW |
| | | | | QPSK |
| | 11700.0000 - 12200.0000 MHz | | 24M0G7F | 0.00 dBW |
| | | | | QPSK |

Points of Communication:

SAT-IP4 - PERMITTED LIST - ()

SES-MOD-20181016-06276 E E9046 Spectrum Mid-America, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Spectrum Mid-America, LLC requests modification of its fixed earth station in Kettering, OH to add an antenna and update the site information.

SITE ID: 1
LOCATION: 4333 DISPLAY LANE, MONTGOMERY, KETTERING, OH
39 ° 40 ' 56.50 " N LAT. 84 ° 8 ' 20.70 " W LONG.

| | | | | |
|-------------|---------------------------|------------|--------------------|--------------------|
| ANTENNA ID: | 1 | 5 meters | MICRODYNE | PR-16.4 |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: | 2 | 5 meters | AFC | UNKNOWN |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: | 3 | 7 meters | AFC | UNKNOWN |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: | 4 | 2.8 meters | SCIENTIFIC ATLANTA | UNKNOWN |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06283 E WF58 Spectrum Pacific West, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Spectrum Pacific West, LLC, request modification of C-band receive-only antenna registration to add an additional operational antenna, emission designators, correct and update current site information and name change while pending.

SITE ID: 1
LOCATION: 607 PAULS DRIVE, HILLSBOROUGH, BRANDON, FL
27 ° 55 ' 39.10 " N LAT. 82 ° 18 ' 3.90 " W LONG.

| | | | | |
|-------------|---------------------------|------------|--------------------------------|--------------------|
| ANTENNA ID: | 1 | 6 meters | RADIO MECHANICAL STRUCTURES | 615-003 |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: | 2 | 6.2 meters | HARRIS | UNKNOWN |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: | 3 | 5 meters | PATRIOT | UNKNOWN |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: | 4 | 4.5 meters | SCIENTIFIC ATLANTA | UNKNOWN |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: | 5 | 4.5 meters | PATRIOT | UNKNOWN |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06342 E E030157 Spectrum Pacific West, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Spectrum Pacific West, LLC requests modification of its fixed earth station in Anderson, CA to add antennas, update the site information and change the name of the licensee. This station will continue to operate with Permitted List satellites in the 3700-4200 MHz (space-to-Earth) frequency band.

SITE ID: 1
LOCATION: 7203 SANDS LANE, SHASTA, ANDERSON, CA
40 ° 29 ' 43.30 " N LAT. 122 ° 22 ' 25.70 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|-------------------------------------|
| ANTENNA ID: | 1 | 5 meters | ANTENNA TECH CORP | SIMULSAT 5M |
| | 3700.0000 - 4200.0000 MHz | | 36M0F8W | Standard Video - Analog and Digital |
| ANTENNA ID: | 2 | 5 meters | ATCI | SIMULSAT |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: | 3 | 4.5 meters | SA | MULTIBEAM |

| | | |
|---------------------------|---------------|--------------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: 4 | 3.7 meters SA | MULTIBEAM |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Video, Audio, Data |

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181016-06360 E WK25 Spectrum Pacific West, LLC
 Application for Modification
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

Spectrum Pacific West, LLC, request modification of C-band receive-only antenna registration to add an additional operational antenna, emission designators, correct and update current site information and name change while pending.

SITE ID: 1
 LOCATION: 312 1ST. STREET N, WALTON, DEFUNIAK SPRINGS, FL
 30 ° 43 ' 43.40 " N LAT. 86 ° 6 ' 16.90 " W LONG.

| | | |
|---------------------------|-------------------------|--------------------|
| ANTENNA ID: 1 | 5 meters RF SYSTEMS INC | 807-6-5M |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: 2 | 5 meters SA | 5 METER |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: 3 | 4.5 meters SA | 4.5 METER |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Video, Audio, Data |
| ANTENNA ID: 4 | 3.2 meters SA | 3.2 METER |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Video, Audio, Data |

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181031-03802 E E2718 Eternal Word Television Network Inc
 Application for Modification
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service, International Fixed Satellite Service

Eternal Word Television Network Inc. requests modification of its fixed earth station in Birmingham, AL to add antennas and update the site information. This station will continue to operate with Permitted List satellites in the 3700-4200 MHz (space-to-Earth) frequency band.

SITE ID: 1
 LOCATION: 5817 OLD LEEDS ROAD, JEFFERSON, BIRMINGHAM, AL
 33 ° 31 ' 57.00 " N LAT. 86 ° 40 ' 27.00 " W LONG.

| ANTENNA ID: | 1 | 10 meters | SCIENTIFIC ATLANTA | 8002S |
|-------------|---------------------------|-----------|--------------------|---------|
| | 5925.0000 - 6425.0000 MHz | | 36M0F8W 80.50 dBW | ANALOG |
| | 5925.0000 - 6425.0000 MHz | | 36M0F3W 80.50 dBW | ANALOG |
| | 5925.0000 - 6425.0000 MHz | | 28M8G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 21M0G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 18M0G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 14M0G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 8M00G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 4M00G7W 83.50 dBW | DIGITAL |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | DIGITAL |

| ANTENNA ID: | 2 | 9 meters | VERTEX | 9.0 KPC |
|-------------|---------------------------|----------|-------------------|---------|
| | 5925.0000 - 6425.0000 MHz | | 36M0F8W 80.50 dBW | ANALOG |
| | 5925.0000 - 6425.0000 MHz | | 36M0F3W 80.50 dBW | ANALOG |
| | 5925.0000 - 6425.0000 MHz | | 28M8G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 21M0G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 18M0G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 14M0G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 8M00G7W 83.50 dBW | DIGITAL |
| | 5925.0000 - 6425.0000 MHz | | 4M00G7W 83.50 dBW | DIGITAL |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | DIGITAL |

| ANTENNA ID: | 3 | 6.3 meters | GENERAL DYNAMICS | 6.3M. |
|-------------|---------------------------|------------|------------------|--|
| | 3700.0000 - 4200.0000 MHz | | 36M0G7W | RECEPTION OF BROADCAST TELEVISION AND RADIO SERVICES |

Points of Communication:

1 - ANIK -

1 - INTAOR - (AOR)

1 - PERMITTED LIST - ()

SES-MOD-20181031-03908 E E100066 Eternal Word Television Network Inc

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Eternal Word Television Network Inc. requests modification of its Ku-band fixed earth station in Hanceville, AL to update the site information and add 3700-4200 MHz (space-to-Earth) C-band frequency. This station will continue to operate with Permitted List satellites in the 14.0-14.5 GHz (Earth-to-space) and 11.7-12.2 GHz (space-to-Earth) frequency bands.

SITE ID: 1

LOCATION: 3222 COUNTY ROAD 548, CULLMAN, HANCEVILLE, AL
34 ° 3 ' 30.50 " N LAT. 86 ° 41 ' 40.80 " W LONG.

| | | | | |
|-----------------------------|---|------------|-----------|---|
| ANTENNA ID: | 1 | 9.3 meters | VERTEX | 9.3 KPK |
| 14000.0000 - 14500.0000 MHz | | 36M0F8F | 87.50 dBW | Analog Video w/Audio & Data Subcarriers |
| 14000.0000 - 14500.0000 MHz | | 36M0G7W | 86.04 dBW | DIGITAL VIDEO w/AUDIO, VOICE, & DATA |
| 11700.0000 - 12200.0000 MHz | | 36M0F8F | | Analog Video w/Audio & Data Subcarriers |
| 11700.0000 - 12200.0000 MHz | | 36M0G7W | | DIGITAL VIDEO w/AUDIO, VOICE, & DATA |
| 3700.0000 - 4200.0000 MHz | | 36M0G7W | | DIGITAL VIDEO AND AUDIO CARRIER |

Points of Communication:

1 - PERMITTED LIST - ()

SES-MOD-20181218-03597 E WB81 Denali 20020, LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Denali 20020 LLC requests modification of its fixed earth station in Vernon, NJ to communicate with Permitted List satellites and the Eutelsat 65WA at the 65° W.L. orbital location in the 6425.5-6875 MHz (Earth-to-space) frequency band on Antenna ID 6.

SITE ID: 1

LOCATION: 100 EDSALL DRIVE, SUSSEX, VERNON, NJ
41 ° 12 ' 6.30 " N LAT. 74 ° 31 ' 34.60 " W LONG.

| | | | | |
|---------------------------|---|-----------|-----------|---|
| ANTENNA ID: | 1 | 13 meters | E SYSTEMS | 1 |
| 6423.5000 - 6423.5000 MHz | | 3M00F3W | 87.80 dBW | |

| | | | |
|---------------------------|-------------|-----------|---|
| 6125.0000 - 6425.0000 MHz | 36M0F8W | 84.70 dBW | |
| 6085.0000 - 6125.0000 MHz | 36M0F8W | 88.90 dBW | |
| 5925.0000 - 6425.0000 MHz | 17M6F7W | 78.50 dBW | |
| 5925.0000 - 6425.0000 MHz | 215KF8W | 71.20 dBW | |
| 5925.0000 - 6425.0000 MHz | 1M00F8W | 80.40 dBW | FM, TT&C |
| 5925.0000 - 6425.0000 MHz | 215KG7W | 71.50 dBW | PSK, VARIOUS DATA AND DIGITAL AUDIO |
| 5925.0000 - 6425.0000 MHz | 36M0G7W | 83.70 dBW | PSK; DATA, MCPC DIGITAL VIDEO AND AUDIO |
| 5925.0000 - 6085.0000 MHz | 36M0F8W | 84.70 dBW | |
| 3700.0000 - 4200.0000 MHz | 36M0F8W | | |
| 3700.0000 - 4200.0000 MHz | 17M6F7W | | |
| 3700.0000 - 4200.0000 MHz | 1M00F8W | | TELEMETRY |
| 3700.0000 - 4200.0000 MHz | 215KG7W | | PSK, VARIOUS DATA AND DIGITAL AUDIO |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | | PSK; DATA, MCPC DIGITAL VIDEO AND AUDIO |
| ANTENNA ID: 2 | 13.1 meters | VERTEX | 13 KPC |
| 6427.0000 - 6643.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 6427.0000 - 6643.0000 MHz | 215KG7D | 71.40 dBW | DIGITAL DATA CARRIER |
| 6085.0000 - 6125.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 6085.0000 - 6125.0000 MHz | 215KG7D | 71.40 dBW | DIGITAL DATA CARRIER |
| 6085.0000 - 6125.0000 MHz | 3M00G7W | 82.80 dBW | DIGITAL DATA CARRIER |
| 6085.0000 - 6125.0000 MHz | 17M6F7W | 89.30 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 5925.0000 - 6425.0000 MHz | 17M6F7W | 89.30 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 3M00G7W | 82.80 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 215KG7D | 71.40 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |

| | | | |
|---------------------------|-----------|--------------------|----------------------|
| 5925.0000 - 6085.0000 MHz | 17M6F7W | 89.30 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 215KG7D | 71.40 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 3M00G7W | 82.80 dBW | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 36M0F8W | | VIDEO CARRIER |
| 3700.0000 - 4200.0000 MHz | 215KG7D | | DIGITAL DATA CARRIER |
| ANTENNA ID: 3 | 11 meters | SCIENTIFIC-ATLANTA | 8007 |
| 6125.0000 - 6425.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 6125.0000 - 6425.0000 MHz | 17M6F7W | 88.70 dBW | DIGITAL DATA CARRIER |
| 6125.0000 - 6425.0000 MHz | 215KG7D | 69.60 dBW | DIGITAL DATA CARRIER |
| 6125.0000 - 6425.0000 MHz | 3M00G7W | 81.00 dBW | DIGITAL DATA CARRIER |
| 6085.0000 - 6125.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 6085.0000 - 6125.0000 MHz | 215KG7D | 69.60 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 5925.0000 - 6425.0000 MHz | 17M6F7W | 88.70 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 215KG7D | 81.00 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 3M00G7W | 81.90 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 5925.0000 - 6085.0000 MHz | 17M6F7W | 88.70 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 215KG7D | 69.60 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 3M00G7W | 81.00 dBW | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 215KG7D | | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 36M0F8W | | VIDEO CARRIER |
| ANTENNA ID: 4 | 12 meters | ANDREW | ESA12-46 |
| 6423.5000 - 6423.5000 MHz | 3M00F3W | 87.80 dBW | |
| 6125.0000 - 6425.0000 MHz | 36M0F8W | 84.70 dBW | |
| 6085.0000 - 6125.0000 MHz | 36M0F8W | 88.90 dBW | |

| | | | |
|---------------------------|-----------|------------|----------------------|
| 5925.0000 - 6425.0000 MHz | 17M6F7W | 78.50 dBW | |
| 5925.0000 - 6425.0000 MHz | 215KF8W | 71.20 dBW | |
| 5925.0000 - 6085.0000 MHz | 36M0F8W | 84.70 dBW | |
| 3700.0000 - 4200.0000 MHz | 36M0F8W | | |
| 3700.0000 - 4200.0000 MHz | 17M6F7W | | |
| ANTENNA ID: 5 | 11 meters | RSI SATCOM | 1100C |
| 6125.0000 - 6425.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 6125.0000 - 6425.0000 MHz | 17M6F7W | 89.10 dBW | DIGITAL DATA CARRIER |
| 6125.0000 - 6425.0000 MHz | 215KG7D | 70.00 dBW | DIGITAL DATA CARRIER |
| 6125.0000 - 6425.0000 MHz | 3M00G7W | 81.40 dBW | DIGITAL DATA CARRIER |
| 6085.0000 - 6125.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 6085.0000 - 6125.0000 MHz | 215KG7D | 70.00 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 36M0F8W | 84.04 dBW | VIDEO CARRIER |
| 5925.0000 - 6425.0000 MHz | 17M6F7W | 80.90 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 215KG7D | 61.80 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 3M00G7W | 73.20 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 36M0F8W | 89.30 dBW | VIDEO CARRIER |
| 5925.0000 - 6085.0000 MHz | 17M6F7W | 89.10 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 215KG7D | 70.00 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6085.0000 MHz | 3M00G7W | 81.40 dBW | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 36M0F8W | | VIDEO CARRIER |
| 3700.0000 - 4200.0000 MHz | 125KF8W | | DIGITAL DATA CARRIER |
| ANTENNA ID: 6 | 13 meters | HARRIS | 5270 |
| 6423.5000 - 6423.5000 MHz | 3M00F3W | 87.80 dBW | |
| 6125.0000 - 6425.0000 MHz | 36M0F8W | 84.70 dBW | |
| 6085.0000 - 6125.0000 MHz | 36M0F8W | 88.90 dBW | |

| | | | |
|---------------------------|---------|-----------|---|
| 5925.0000 - 6425.0000 MHz | 17M6F7W | 78.50 dBW | |
| 5925.0000 - 6425.0000 MHz | 215KF8W | 71.20 dBW | |
| 5925.0000 - 6425.0000 MHz | 1M00F8W | 79.90 dBW | FM, TT&C COMMAND |
| 5925.0000 - 6425.0000 MHz | 215KG7W | 71.00 dBW | PSK; DIGITAL DATA AND AUDIO |
| 5925.0000 - 6425.0000 MHz | 36M0G7W | 83.20 dBW | PSK; DATA, MCPC DIGITAL VIDEO AND AUDIO |
| 5925.0000 - 6085.0000 MHz | 36M0F8W | 84.70 dBW | |
| 3700.0000 - 4200.0000 MHz | 36M0F8W | | |
| 3700.0000 - 4200.0000 MHz | 17M6F7W | | |
| 3700.0000 - 4200.0000 MHz | 1M00F8W | | TELEMETRY |
| 3700.0000 - 4200.0000 MHz | 215KG7W | | PSK; DIGITAL DATA AND AUDIO |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | | PSK; DATA, MCPC DIGITAL VIDEO AND AUDIO |
| 6425.5000 - 6875.0000 MHz | 54M0G7W | 85.46 dBW | DIGITAL DATA CARRIER |
| 6425.5000 - 6875.0000 MHz | 6M00G7W | 85.46 dBW | DIGITAL DATA CARRIER |

Points of Communication:

1 - INTELSAT 25 (S2804) - (31.5 W.L.)

1 - PERMITTED LIST - ()

SES-MOD-20200605-00595 E E140114 ISAT US Inc.

Application for Modification

Class of Station: Mobile Earth Station

Nature of Service: Fixed Satellite Service

ISAT US Inc. requests modification of its blanket earth station license to add two new earth stations in motion aboard aircraft terminals (GetSat MilliEX and KA5000) that will communicate with its Global XPress Ka-band satellite system, operating in the 29.5-30.0 GHz (Earth-to-space) and the 19.7-20.2 GHz (space-to-Earth) frequency bands. ISAT requests partial waiver of 47 C.F.R. § 25.115(g) and 47 C.F.R § 25.132(b)(1) that requires the antenna plot be extended to cover the entire range of off-axis angles.

SITE ID: Aero 1

LOCATION: Aboard Aircraft CONUS & OCONUS

ANTENNA ID: MCS 8200 0.61 meters Honeywell MCS 8200

29500.0000 - 30000.0000 MHz 460KG7W 44.60 dBW Various Modulations up to 32APSK; Digital Data Link

| | | | |
|-----------------------------|---------|-----------|--|
| 29500.0000 - 30000.0000 MHz | 7M34G7W | 46.00 dBW | Various Modulations up to 32APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 5M00G1W | 7.00 dBW | Various Modulations up to 32APSK; Digital Data Link |
| 19700.0000 - 20200.0000 MHz | 32M0G7W | 0.00 dBW | Various Modulations up to 32APSK; Digital Data Link |

SITE ID: Aero 2
LOCATION: Aboard Aircraft CONUS & OCONUS

| | | | |
|-----------------------------|------------|-----------|--|
| ANTENNA ID: MCS 8000 | 0.3 meters | Honeywell | MCS 8000 |
| 29500.0000 - 30000.0000 MHz | 460KG7W | 32.60 dBW | Various Modulations up to 32APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 7M34G7W | 44.60 dBW | Various Modulations up to 32APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 5M00G1W | 7.00 dBW | Various Modulations up to 32APSK; Digital Data Link |
| 19700.0000 - 20200.0000 MHz | 32M0G7W | 0.00 dBW | Various Modulations up to 32APSK; Digital Data Link |

SITE ID: Aero 3
LOCATION: Aboard Aircraft CONUS & OCONUS

| | | | |
|-----------------------------|------------|-----------|--|
| ANTENNA ID: KA30 | 0.3 meters | INMARSAT | KA30 |
| 29500.0000 - 30000.0000 MHz | 5M00G1W | 7.00 dBW | Various Modulations up to 32APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 7M34G7W | 41.00 dBW | Various Modulations up to 32APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 460KG7W | 29.00 dBW | Various Modulations up to 32APSK; Digital Data Link |
| 19700.0000 - 20200.0000 MHz | 32M0G7W | | Various Modulations up to 32APSK; Digital Data Link |

SITE ID: Aero 4
LOCATION: ABOARD AIRCRAFT CONUS & OCONUS

| | | | |
|-----------------------------|------------|-----------|--|
| ANTENNA ID: MILLI-EX | 0.3 meters | GET SAT | MILLISATEX |
| 29500.0000 - 30000.0000 MHz | 7M34G7W | 48.90 dBW | Various modulation up to 32 APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 5M00G1W | 48.90 dBW | Various modulation up to 32 APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 460KG7W | 38.80 dBW | Various modulation up to 32 APSK; Digital Data Link |

| | | | | |
|--|------------|---------------------|--|--|
| 19700.0000 - 20200.0000 MHz | 32M0G7W | | | Various modulation up to 32 APSK; Digital Data Link |
| SITE ID: Aero 5 | | | | |
| LOCATION: ABOARD AIRCRAFT CONUS & OCONUS | | | | |
| ANTENNA ID: KA5000 | 0.3 meters | SMITHS INTERCONNECT | | KA5000 |
| 29500.0000 - 30000.0000 MHz | 7M34G7W | 47.00 dBW | | Various modulation up to 32 APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 5M00G1W | 47.00 dBW | | Various modulation up to 32 APSK; Digital Data Link |
| 29500.0000 - 30000.0000 MHz | 460KG7W | 39.00 dBW | | Various modulation up to 32 APSK; Digital Data Link |
| 19700.0000 - 20200.0000 MHz | 32M0G7W | | | Various modulation up to 32 APSK; Digital Data Link |

Points of Communication:

- Aero 1 - INMARSAT 5F1 - (63 E.L.)
- Aero 1 - INMARSAT 5F2 - (55.0 W.L.)
- Aero 1 - INMARSAT 5F3 - (179.6 E.L.)
- Aero 2 - INMARSAT 5F1 - (63 E.L.)
- Aero 2 - INMARSAT 5F2 - (55.0 W.L.)
- Aero 2 - INMARSAT 5F3 - (179.6 E.L.)
- Aero 3 - INMARSAT 5F1 - (63 E.L.)
- Aero 3 - INMARSAT 5F2 - (55.0 W.L.)
- Aero 3 - INMARSAT 5F3 - (179.6 E.L.)
- Aero 4 - INMARSAT 5F1 - (63 E.L.)
- Aero 4 - INMARSAT 5F2 - (55.0 W.L.)
- Aero 4 - INMARSAT 5F3 - (179.6 E.L.)
- Aero 5 - INMARSAT 5F1 - (63 E.L.)
- Aero 5 - INMARSAT 5F2 - (55.0 W.L.)
- Aero 5 - INMARSAT 5F3 - (179.6 E.L.)

SES-REG-20180910-10745 E E202056 Buford Satellite Systems. L.P.
 Registration
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: Northeast CC
LOCATION: 13698 Airport Road, Pike, Bowling Green, MO
39 ° 22 ' 47.76 " N LAT. 91 ° 12 ' 11.23 " W LONG.

ANTENNA ID: Northeast3 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Northeast2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Northeast1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Northeast CC - PERMITTED LIST - ()

SES-REG-20180910-10766 E E202106 Buford Satellite Systems. L.P.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Nottoway CC
LOCATION: 2892 Schutt Road, Nottoway, Burkeville, VA
37 ° 10 ' 55.85 " N LAT. 78 ° 10 ' 29.38 " W LONG.

ANTENNA ID: Nottoway1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Nottoway3 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Nottoway2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Nottoway CC - PERMITTED LIST - ()

SES-REG-20180910-10767 E E202105 Buford Satellite Systems. L.P.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Lunenburg CC
LOCATION: 690 Falls Road, Lunenburg, Victoria, VA
37 ° 58 ' 39.94 " N LAT. 78 ° 12 ' 40.70 " W LONG.

ANTENNA ID: Lunenburg1 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Lunenburg CC - PERMITTED LIST - ()

SES-REG-20180910-10769 E E202103 Buford Satellite Systems. L.P.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Halifax Unit #23
LOCATION: 1200 Farm Road, Halifax, South Boston, VA
36 ° 43 ' 39.50 " N LAT. 78 ° 55 ' 51.34 " W LONG.

ANTENNA ID: Halifax2 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Halifax1 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Halifax Unit #23 - PERMITTED LIST - ()

SES-REG-20180910-10770 E E202102 Buford Satellite Systems. L.P.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Red Onion Prison
LOCATION: 10800 H. Jack Rose Hwy., Wise, Pound, VA
37 ° 6 ' 41.98 " N LAT. 82 ° 32 ' 55.75 " W LONG.

ANTENNA ID: RedOnion3 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: RedOnion2 3.7 meters Prodelin Unk
3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: RedOnion1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Red Onion Prison - PERMITTED LIST - ()

SES-REG-20180910-10771 E E202101 Buford Satellite Systems. L.P.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Rustburg Unit #9

LOCATION: 479 Camp Nine Road, Campbell, Rustburg, VA

37 ° 16 ' 3.30 " N LAT.

79 ° 4 ' 5.97 " W LONG.

ANTENNA ID: Rustburg3 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Rustburg2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Rustburg1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Rustburg Unit #9 - PERMITTED LIST - ()

SES-REG-20180910-10772 E E202100 Buford Satellite Systems. L.P.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Sussex I St. Prison

LOCATION: 24414 Musselwhite Drive, Sussex, Waverly, VA

37 ° 2 ' 42.39 " N LAT.

77 ° 11 ' 56.26 " W LONG.

ANTENNA ID: Sussex3 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Sussex2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Sussex1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Sussex I St. Prison - PERMITTED LIST - ()

SES-REG-20180910-10773 E E202099 Buford Satellite Systems. L.P.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Wallens Ridge Prison

LOCATION: 272 Dogwood Drive, Wise, Big Stone Gap, VA

36 ° 50 ' 34.39 " N LAT.

82 ° 47 ' 10.34 " W LONG.

ANTENNA ID: Wallens1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

Wallens Ridge Prison - PERMITTED LIST - ()

SES-REG-20180910-10775 E E202097 Buford Satellite Systems. L.P.

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Washington State

LOCATION: 1313 N. 13th Ave., Walla Walla, Walla Walla, WA

46 ° 4 ' 45.02 " N LAT.

118 ° 21 ' 44.05 " W LONG.

ANTENNA ID: Washingto2 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Washingto4 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Washingto3 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Washingto1 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

ANTENNA ID: Washingto5 3.7 meters Prodelin Unk

3700.0000 - 4200.0000 MHz 36M0G7W

Points of Communication:

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