



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET S.W.
WASHINGTON D.C. 20554

News media information 202-418-0500
Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
TTY (202) 418-2555

Report No. SES-01356

Wednesday June 15, 2011

Satellite Communications Services Information

re: Actions Taken

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

SES-AMD-20110419-00485 E E040163 ENTERPRISE PRODUCTS, LLC
Amendment
Grant of Authority Date Effective: 06/13/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Requested Supplement information per staff engineer for HUB #4 Schedule B missing technical information was omitted has been re-entered and corrected per e-mail letter dated June 9, 2011.

SITE ID: REMOTE1
LOCATION: PORT ARTHUR (KEYSTONE) 14615 HIGHWAY 87, JEFFERSON, SABINE PASS, TX
29 ° 41 ' 13.30 " N LAT. 93 ° 58 ' 51.50 " W LONG.

| ANTENNA ID: | Remote1 | 2.4 meters | CHANNEL MASTER | 2.4M. |
|-------------|---------------------------|------------|----------------|------------------------|
| | 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| | 4017.0000 - 4037.0000 MHz | 205KG7W | | Digital Voice and Data |
| | 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

SITE ID: REMOTE2
LOCATION: PORT ARTHUR (PERMCOR LUCAS) 9407 W. PORT ARTHUR ROAD, JEFFERSON, BEAUMONT, TX
29 ° 59 ' 46.80 " N LAT. 94 ° 3 ' 57.20 " W LONG.

| ANTENNA ID: | Remote2 | 2.4 meters | CHANNEL MASTER | 2.4M. |
|-------------|---------------------------|------------|----------------|------------------------|
| | 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | 512KG7W | 38.57 dBW | DIGITAL |

| | | |
|---------------------------|---------|------------------------|
| 4017.0000 - 4037.0000 MHz | 205KG7W | Digital Voice and Data |
| 3922.0000 - 3942.0000 MHz | 512KG7W | DIGITAL |

SITE ID: REMOTE7
 LOCATION: GARDEN BANKS 72 (OIL PLATFORM) BLOCK 72, GARDEN BANKS AREA, GULF OF MEXICO, TX
 27 ° 55 ' 21.00 " N LAT. 92 ° 33 ' 14.00 " W LONG.

ANTENNA ID: Remote7 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|------------------------|------------------------|
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | Digital Voice and Data |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| 4017.0000 - 4037.0000 MHz | 205KG7W | Digital Voice and Data | |
| 3922.0000 - 3942.0000 MHz | 512KG7W | DIGITAL | |

SITE ID: REMOTE8
 LOCATION: SHIP SHOAL 332B (OIL PLATFORM) BLOCK 332B, SHIP SHOAL AREA, GULF OF MEXICO, TX
 28 ° 6 ' 16.00 " N LAT. 90 ° 47 ' 33.00 " W LONG.

ANTENNA ID: Remote8 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|------------------------|------------------------|
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | Digital Voice and Data |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| 4017.0000 - 4037.0000 MHz | 205KG7W | Digital Voice and Data | |
| 3922.0000 - 3942.0000 MHz | 512KG7W | DIGITAL | |

SITE ID: REMOTE9
 LOCATION: HIGH ISLAND A5C (OIL PLATFORM) BLOCK A5C, HIGH ISLAND AREA, GULF OF MEXICO, TX
 29 ° 8 ' 8.30 " N LAT. 93 ° 59 ' 56.90 " W LONG.

ANTENNA ID: Remote9 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|------------------------|------------------------|
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | Digital Voice and Data |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| 4017.0000 - 4037.0000 MHz | 205KG7W | Digital Voice and Data | |
| 3922.0000 - 3942.0000 MHz | 512KG7W | DIGITAL | |

SITE ID: REMOTE10
 LOCATION: TEXAS CITY (BP METER) INDUSTRIAL COMPLEX EAST 9TH STREET, GALVESTON, TEXAS CITY, TX
 29 ° 21 ' 57.40 " N LAT. 94 ° 55 ' 8.70 " W LONG.

ANTENNA ID: REMOTE10 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|-----------|------------------------|
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | DIGITAL VOICE AND DATA |
| 6147.0000 - 6167.0000 MHz | 768KG7W | 50.73 dBW | DIGITAL |
| 4017.0000 - 4037.0000 MHz | 205KG7W | | DIGITAL VOICE AND DATA |
| 3922.0000 - 3942.0000 MHz | 768KG7W | | DIGITAL |

SITE ID: REMOTE11
LOCATION: TEXAS CITY (SEAWAY METER) INTERSECTION OF TEXAS RTS. 3 AND 146, GALVESTON, TEXAS CITY
JUNCTION, TX
29 ° 20 ' 40.30 " N LAT. 94 ° 56 ' 4.50 " W LONG.

ANTENNA ID: REMOTE11 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|-----------|------------------------|
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | DIGITAL VOICE AND DATA |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| 4017.0000 - 4037.0000 MHz | 205KG7W | | DIGITAL VOICE AND DATA |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

SITE ID: HUB3
LOCATION: (3.8M. HUB3), BRAZOS, SAN ANTONIO, TX
29 ° 32 ' 10.80 " N LAT. 98 ° 29 ' 24.00 " W LONG.

ANTENNA ID: HUB3 3.8 meters PRODELIN 3.8M.

| | | | |
|---------------------------|---------|-----------|---------|
| 6147.0000 - 6167.0000 MHz | 768KG7W | 54.93 dBW | DIGITAL |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 53.17 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 768KG7W | | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

SITE ID: HUB4
LOCATION: 5901 I EARHART EXPRESSWAY (12.0M. HUB4), HARAHAN, LA
29 ° 58 ' 13.70 " N LAT. 90 ° 12 ' 12.00 " W LONG.

ANTENNA ID: HUB4 12 meters ANDREW 12.0M.

| | | | |
|---------------------------|---------|-----------|---------|
| 6747.0000 - 6167.0000 MHz | 512KG7W | 63.30 dBW | DIGITAL |
| 6747.0000 - 6167.0000 MHz | 768KG7W | 65.04 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 768KG7W | | DIGITAL |

SITE ID: REMOTE4
LOCATION: PORT ARTHUR (SUN METER) 2304 N. TWIN CITY HWY, JEFFERSON, NEDERLAND, TX
29 ° 59 ' 31.90 " N LAT. 93 ° 59 ' 58.90 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|------------------------|
| ANTENNA ID: | Remote4 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.98 dBW | DIGITAL |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W | Digital Voice and Data |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE5
LOCATION: PORT ARTHUR (UNOCAL METER) 3890 PURE ATLANTIC ROAD, JEFFERSON, NEDERLAND, TX
29 ° 59 ' 24.40 " N LAT. 93 ° 59 ' 14.80 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|------------------------|
| ANTENNA ID: | Remote5 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.97 dBW | DIGITAL |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W 0.00 dBW | Digital Voice and Data |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE6
LOCATION: TEXAS CITY (BOLIVAR SPEC) 4216 HIGHWAY 87, GALVESTON, TEXAS CITY, TX
29 ° 25 ' 7.10 " N LAT. 94 ° 42 ' 17.80 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|------------------------|
| ANTENNA ID: | Remote6 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.97 dBW | DIGITAL |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W | Digital Voice and Data |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE12
LOCATION: 2580 OLD RICHTON RD. (TENESSEE GULF), PETAL, MS
31 ° 22 ' 54.20 " N LAT. 89 ° 19 ' 36.10 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|---------|
| ANTENNA ID: | Remote12 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.97 dBW | DIGITAL |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE13
LOCATION: 3351-3571 LAKEVIEW RD (WILMUT), HATTIESBURG, MS
31 ° 21 ' 17.90 " N LAT. 89 ° 20 ' 7.60 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|---------|
| ANTENNA ID: | Remote13 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.87 dBW | DIGITAL |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE14
LOCATION: (GULF SOUTH) 478-554 OAK BOWERY RD., ELLISVILLE, MS
31 ° 38 ' 7.30 " N LAT. 89 ° 22 ' 52.90 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|---------|
| ANTENNA ID: | Remote14 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.87 dBW | DIGITAL |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

Points of Communication:

- HUB3 - AMC 3 - (87 W.L.)
- HUB4 - AMC 3 - (87 W.L.)
- REMOTE1 - AMC 3 - (87 W.L.)
- REMOTE1 - AMC-6 - (72 W.L.)
- REMOTE1 - AMC-9 - (85 W.L.)
- REMOTE10 - AMC 3 - (87 W.L.)
- REMOTE10 - AMC-6 - (72 W.L.)
- REMOTE11 - AMC 3 - (87 W.L.)
- REMOTE11 - AMC-6 - (72 W.L.)
- REMOTE12 - AMC 3 - (87 W.L.)
- REMOTE13 - AMC 3 - (87 W.L.)
- REMOTE14 - AMC 3 - (87 W.L.)
- REMOTE2 - AMC 3 - (87 W.L.)
- REMOTE2 - AMC-6 - (72 W.L.)
- REMOTE2 - AMC-9 - (85 W.L.)
- REMOTE4 - AMC 3 - (87 W.L.)
- REMOTE4 - AMC-6 - (72 W.L.)

REMOTE4 - AMC-9 - (85 W.L.)
 REMOTE5 - AMC 3 - (87 W.L.)
 REMOTE5 - AMC-6 - (72 W.L.)
 REMOTE5 - AMC-9 - (85 W.L.)
 REMOTE6 - AMC 3 - (87 W.L.)
 REMOTE6 - AMC-6 - (72 W.L.)
 REMOTE6 - AMC-9 - (85 W.L.)
 REMOTE7 - AMC 3 - (87 W.L.)
 REMOTE7 - AMC-6 - (72 W.L.)
 REMOTE7 - AMC-9 - (85 W.L.)
 REMOTE8 - AMC 3 - (87 W.L.)
 REMOTE8 - AMC-6 - (72 W.L.)
 REMOTE8 - AMC-9 - (85 W.L.)
 REMOTE9 - AMC 3 - (87 W.L.)
 REMOTE9 - AMC-6 - (72 W.L.)
 REMOTE9 - AMC-9 - (85 W.L.)

SES-AMD-20110511-00571 E E110075 NBC TELEMUNDO LICENSE LLC

Amendment

Grant of Authority

Date Effective: 06/08/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

This Amendment was filed just to correct the Status Only answer for question #21 on Main Form 312 from Common Carrier to Non-Common Carrier that was file in original application filed under file number (SES-LIC-20110428-00521) due to a Typo error, so therefore this Amendment does not require Public Notice.

SITE ID: 1

LOCATION: WRC SNG Truck #TK-38, VARIOUS

| | | | | |
|-------------|-----------------------------|------------|------------------|---|
| ANTENNA ID: | TK-38 | 1.2 meters | AVL TECHNOLOGIES | 1210K |
| | 14000.0000 - 14500.0000 MHz | 36M0G7W | 65.75 dBW | phase modulated carrier wiith data, video and audio |

Points of Communication:

1 - PERMITTED LIST - ()

SES-ASG-20100726-00958 E E3598 WKRN, G.P.
Application for Consent to Assignment
Consummated Date Effective: 06/24/2010

Current Licensee: WKRN, G.P., DEBTOR-IN-POSSESSION
FROM: WKRN, G.P., DEBTOR-IN-POSSESSION
TO: WKRN, G.P.

No. of Station(s) listed: 1

Request to update FCC Records to show Consummation was done for this Assignment call sign E3598 per letter dated June 3, 2011.

SES-ASG-20100726-00959 E E060020 YOUNG BROADCASTING OF RICHMOND, INC.
Application for Consent to Assignment
Consummated Date Effective: 06/24/2010

Current Licensee: YOUNG BROADCASTING OF RICHMOND, INC., DEBTOR-IN-POSSESSION
FROM: YOUNG BROADCASTING OF RICHMOND, INC., DEBTOR-IN-POSSESSION
TO: YOUNG BROADCASTING OF RICHMOND, INC.

No. of Station(s) listed: 2

Request to update FCC Records to show Consummation was done for this Assignment call signs E060020, E900592 per letter dated June 3, 2011.

SES-ASG-20100726-00961 E E990366 YOUNG BROADCASTING OF ALBANY, INC.
Application for Consent to Assignment
Consummated Date Effective: 06/24/2010

Current Licensee: YOUNG BROADCASTING OF ALBANY, INC., DEBTOR-IN-POSSESSION
FROM: YOUNG BROADCASTING OF ALBANY, INC., DEBTOR-IN-POSSESSION
TO: YOUNG BROADCASTING OF ALBANY, INC.

No. of Station(s) listed: 1

Request to update FCC Records to show Consummation was done for this Assignment call sign E990366 per letter dated June 3, 2011.

SES-ASG-20100726-00962 E E050354 WATE, G.P.
Application for Consent to Assignment
Consummated Date Effective: 06/24/2010

Current Licensee: WATE, G.P., DEBTOR-IN-POSSESSION
FROM: WATE, G.P., DEBTOR-IN-POSSESSION
TO: WATE, G.P.

No. of Station(s) listed: 1

Request to update FCC Records to show Consummation was done for this Assignment call sign E050354 per letter dated June 3, 2011.

SES-LIC-20110507-00563 E E110081 New England Satellite Systems, Inc.
Application for Authority 06/13/2011 - 06/13/2026
Grant of Authority Date Effective: 06/13/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: various, Various, various

ANTENNA ID: 1 4.5 meters Andrew Corp. (ASC) ESA45

| | | | |
|---------------------------|---------|-----------|--|
| 5925.0000 - 6425.0000 MHz | 36M0G7W | 72.73 dBW | digital, various FEC, data rates, modulation and information |
| 5925.0000 - 6425.0000 MHz | 51K2G7W | 44.26 dBW | digital, various FEC, data rates, modulation and information |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MFS-20110330-00384 E E070015 EchoStar Broadcasting Corporation
 Modification 03/07/2007 - 03/07/2022
 Grant of Authority Date Effective: 06/08/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: GFMA - Ku
LOCATION: 801 N. Dish Drive, Maricopa, Gilbert, AZ
 33 ° 22 ' 0.80 " N LAT. 111 ° 48 ' 54.70 " W LONG.

| | | | |
|-----------------------------|-------------|-----------|--------------------------|
| ANTENNA ID: GFMA-Ku | 13.2 meters | Vertex | 13.2 Meter |
| 11700.0000 - 11704.0000 MHz | 300KG2D | | Telemetry Beacon (TT&C) |
| 11700.0000 - 11704.0000 MHz | 300KG2D | | Telemetry Beacon (TT&C) |
| 12196.0000 - 12200.0000 MHz | 300KG2D | | Telemetry Beacon (TT&C) |
| 14496.0000 - 14500.0000 MHz | 1M50G2D | 75.24 dBW | Command Carrier (TT&C) |
| 14000.0000 - 14004.0000 MHz | 1M50G2D | 75.24 dBW | Command Carrier (TT&C) |
| 11700.0000 - 12200.0000 MHz | 24M0M1F | | Digital Compressed Video |
| 14000.0000 - 14500.0000 MHz | 24M0M1F | 87.30 dBW | Digital Compressed Video |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | Digital Data |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 85.50 dBW | Digital Data |
| 14000.0000 - 14004.0000 MHz | 800KG2D | 72.50 dBW | Telecommand |
| 12196.0000 - 12200.0000 MHz | 300KG2D | | Telemetry Beacon (TT&C) |
| 11700.0000 - 12200.0000 MHz | 24M0M1F | | Digital Compressed Video |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | Digital Data |

Points of Communication:

GFMA - Ku - ALSAT - (ALSAT)

GFMA - Ku - AMC 16 - (118.75)

GFMA - Ku - ECHOSTAR 6 - (72.7 W.L.)

GFMA - Ku - ECHOSTAR 8 - (77.05 W.L.)

SES-MFS-20110330-00385 E E980127 EchoStar Broadcasting Corporation
Modification 07/24/2008 - 07/24/2023
Grant of Authority Date Effective: 06/08/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY
 41 ° 7 ' 55.20 " N LAT. 104 ° 44 ' 11.30 " W LONG.

| | | | | | |
|-------------|-----------------------------|------------|--------------------|------------|-----------------------------------|
| ANTENNA ID: | K2 | 9 meters | VERTEX | 9 KPK | |
| | 14000.0000 - 14500.0000 MHz | | 36M0F8F | 87.40 dBW | Analog video/audio |
| | 14000.0000 - 14500.0000 MHz | | 750KF2D | 69.10 dBW | Digital, data carrier, QPSK |
| | 14000.0000 - 14500.0000 MHz | | 24M0M1F | 84.18 dBW | Digital Compressed Video |
| | 14000.0000 - 14500.0000 MHz | | 36M0G7W | 85.94 dBW | Digital, data carrier, QPSK |
| | 11700.0000 - 12200.0000 MHz | | | | |
| | 11450.0000 - 11700.0000 MHz | | | | |
| | 10950.0000 - 11200.0000 MHz | | | | |
| | 14000.0000 - 14004.0000 MHz | | 800KG2D | 69.40 dBW | Telecommand |
| ANTENNA ID: | K7 | 5.6 meters | ANDREW CORPORATION | ESA56-124B | |
| | 14000.0000 - 14500.0000 MHz | | 1M00G1W | 66.30 dBW | Compressed digital data |
| | 14000.0000 - 14500.0000 MHz | | 36M0G7W | 73.30 dBW | Compressed digital video |
| | 14000.0000 - 14500.0000 MHz | | 24M0G1W | 84.18 dBW | Compressed digital video and data |
| | 11700.0000 - 12200.0000 MHz | | 1M00G1W | | Compressed digital data |
| | 11700.0000 - 12200.0000 MHz | | 36M0G7W | | Compressed digital video |
| | 11700.0000 - 12200.0000 MHz | | 24M0G1W | | Compressed digital video and data |

Points of Communication:

1 - ALSAT - (ALSAT)

- 1 - ANIK E1 - (118.7 W.L.)
- 1 - ANIK E2 - (111.1 W.L.)
- 1 - ECHOSTAR 6 - (72.7 W.L.)
- 1 - ECHOSTAR 8 - (77.05 W.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-3R - (43.0 W.L.)
- 1 - TELSTAR 11 - (37.5 W.L.)

SES-MOD-20110323-00347 E E040163 ENTERPRISE PRODUCTS, LLC
 Application for Modification 09/30/2004 - 09/30/2019
 Grant of Authority Date Effective: 06/13/2011

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

Requested Supplement information per staff engineer for HUB #4 Schedule B missing technical information was omitted has been re-entered and corrected per e-mail letter dated June 9, 2011.

SITE ID: REMOTE1
 LOCATION: PORT ARTHUR (KEYSTONE) 14615 HIGHWAY 87, JEFFERSON, SABINE PASS, TX
 29 ° 41 ' 13.30 " N LAT. 93 ° 58 ' 51.50 " W LONG.

| ANTENNA ID: | Remote1 | 2.4 meters | CHANNEL MASTER | 2.4M. |
|-------------|---------------------------|------------|-------------------|------------------------|
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | Digital Voice and Data |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.97 dBW | DIGITAL |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE2
 LOCATION: PORT ARTHUR (PERMCOR LUCAS) 9407 W. PORT ARTHUR ROAD, JEFFERSON, BEAUMONT, TX
 29 ° 59 ' 46.80 " N LAT. 94 ° 3 ' 57.20 " W LONG.

| ANTENNA ID: | Remote2 | 2.4 meters | CHANNEL MASTER | 2.4M. |
|-------------|---------------------------|------------|-------------------|------------------------|
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | Digital Voice and Data |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 38.57 dBW | DIGITAL |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE7
LOCATION: GARDEN BANKS 72 (OIL PLATFORM) BLOCK 72, GARDEN BANKS AREA, GULF OF MEXICO, TX
27 ° 55 ' 21.00 " N LAT. 92 ° 33 ' 14.00 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|------------------------|
| ANTENNA ID: | Remote7 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | Digital Voice and Data |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.97 dBW | DIGITAL |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE8
LOCATION: SHIP SHOAL 332B (OIL PLATFORM) BLOCK 332B, SHIP SHOAL AREA, GULF OF MEXICO, TX
28 ° 6 ' 16.00 " N LAT. 90 ° 47 ' 33.00 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|------------------------|
| ANTENNA ID: | Remote8 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | Digital Voice and Data |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.97 dBW | DIGITAL |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE9
LOCATION: HIGH ISLAND A5C (OIL PLATFORM) BLOCK A5C, HIGH ISLAND AREA, GULF OF MEXICO, TX
29 ° 8 ' 8.30 " N LAT. 93 ° 59 ' 56.90 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|------------------------|
| ANTENNA ID: | Remote9 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | Digital Voice and Data |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W | Digital Voice and Data |
| | 6147.0000 - 6167.0000 MHz | | 512KG7W 48.97 dBW | DIGITAL |
| | 3922.0000 - 3942.0000 MHz | | 512KG7W | DIGITAL |

SITE ID: REMOTE10
LOCATION: TEXAS CITY (BP METER) INDUSTRIAL COMPLEX EAST 9TH STREET, GALVESTON, TEXAS CITY, TX
29 ° 21 ' 57.40 " N LAT. 94 ° 55 ' 8.70 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|------------------------|
| ANTENNA ID: | REMOTE10 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| | 6242.0000 - 6262.0000 MHz | | 205KG7W 45.00 dBW | DIGITAL VOICE AND DATA |
| | 4017.0000 - 4037.0000 MHz | | 205KG7W | DIGITAL VOICE AND DATA |

| | | | |
|--|------------|---------------------------|------------------------|
| 6147.0000 - 6167.0000 MHz | 768KG7W | 50.73 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 768KG7W | | DIGITAL |
| SITE ID: REMOTE11 | | | |
| LOCATION: TEXAS CITY (SEAWAY METER) INTERSECTION OF TEXAS RTS. 3 AND 146, GALVESTON, TEXAS CITY JUNCTION, TX | | | |
| 29 ° 20 ' 40.30 " N LAT. | | 94 ° 56 ' 4.50 " W LONG. | |
| ANTENNA ID: REMOTE11 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | DIGITAL VOICE AND DATA |
| 4017.0000 - 4037.0000 MHz | 205KG7W | | DIGITAL VOICE AND DATA |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |
| SITE ID: HUB3 | | | |
| LOCATION: (3.8M. HUB3), BRAZOS, SAN ANTONIO, TX | | | |
| 29 ° 32 ' 10.80 " N LAT. | | 98 ° 29 ' 24.00 " W LONG. | |
| ANTENNA ID: HUB3 | 3.8 meters | PRODELIN | 3.8M. |
| 6147.0000 - 6167.0000 MHz | 768KG7W | 54.93 dBW | DIGITAL |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 53.17 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 768KG7W | | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |
| SITE ID: HUB4 | | | |
| LOCATION: 5901 I EARHART EXPRESSWAY (12.0M. HUB4), HARAHAN, LA | | | |
| 29 ° 58 ' 13.70 " N LAT. | | 90 ° 12 ' 12.00 " W LONG. | |
| ANTENNA ID: HUB4 | 12 meters | ANDREW | 12.0M. |
| 6747.0000 - 6167.0000 MHz | 512KG7W | 63.30 dBW | DIGITAL |
| 6747.0000 - 6167.0000 MHz | 768KG7W | 65.04 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 768KG7W | | DIGITAL |
| SITE ID: REMOTE4 | | | |
| LOCATION: PORT ARTHUR (SUN METER) 2304 N. TWIN CITY HWY, JEFFERSON, NEDERLAND, TX | | | |
| 29 ° 59 ' 31.90 " N LAT. | | 93 ° 59 ' 58.90 " W LONG. | |
| ANTENNA ID: Remote4 | 2.4 meters | CHANNEL MASTER | 2.4M. |

| | | | |
|---------------------------|---------|-----------|------------------------|
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | Digital Voice and Data |
| 4017.0000 - 4037.0000 MHz | 205KG7W | | Digital Voice and Data |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.98 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

SITE ID: REMOTE5
LOCATION: PORT ARTHUR (UNOCAL METER) 3890 PURE ATLANTIC ROAD, JEFFERSON, NEDERLAND, TX
29 ° 59 ' 24.40 " N LAT. 93 ° 59 ' 14.80 " W LONG.

ANTENNA ID: Remote5 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|-----------|------------------------|
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | Digital Voice and Data |
| 4017.0000 - 4037.0000 MHz | 205KG7W | 0.00 dBW | Digital Voice and Data |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

SITE ID: REMOTE6
LOCATION: TEXAS CITY (BOLIVAR SPEC) 4216 HIGHWAY 87, GALVESTON, TEXAS CITY, TX
29 ° 25 ' 7.10 " N LAT. 94 ° 42 ' 17.80 " W LONG.

ANTENNA ID: Remote6 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|-----------|------------------------|
| 6242.0000 - 6262.0000 MHz | 205KG7W | 45.00 dBW | Digital Voice and Data |
| 4017.0000 - 4037.0000 MHz | 205KG7W | | Digital Voice and Data |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

SITE ID: REMOTE12
LOCATION: 2580 OLD RICHTON RD. (TENESSEE GULF), PETAL, MS
31 ° 22 ' 54.20 " N LAT. 89 ° 19 ' 36.10 " W LONG.

ANTENNA ID: Remote12 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|-----------|---------|
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.97 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

SITE ID: REMOTE13
LOCATION: 3351-3571 LAKEVIEW RD (WILMUT), HATTIESBURG, MS
31 ° 21 ' 17.90 " N LAT. 89 ° 20 ' 7.60 " W LONG.

ANTENNA ID: Remote13 2.4 meters CHANNEL MASTER 2.4M.

| | | | |
|---------------------------|---------|-----------|---------|
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.87 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

SITE ID: REMOTE14
LOCATION: (GULF SOUTH) 478-554 OAK BOWERY RD., ELLISVILLE, MS
31 ° 38 ' 7.30 " N LAT. 89 ° 22 ' 52.90 " W LONG.

| | | | |
|---------------------------|------------|----------------|---------|
| ANTENNA ID: Remote14 | 2.4 meters | CHANNEL MASTER | 2.4M. |
| 6147.0000 - 6167.0000 MHz | 512KG7W | 48.87 dBW | DIGITAL |
| 3922.0000 - 3942.0000 MHz | 512KG7W | | DIGITAL |

Points of Communication:

HUB3 - AMC 3 - (87 W.L.)
HUB4 - AMC 3 - (87 W.L.)
REMOTE1 - AMC 3 - (87 W.L.)
REMOTE1 - AMC-6 - (72 W.L.)
REMOTE1 - AMC-9 - (85 W.L.)
REMOTE10 - AMC 3 - (87 W.L.)
REMOTE10 - AMC-6 - (72 W.L.)
REMOTE11 - AMC 3 - (87 W.L.)
REMOTE11 - AMC-6 - (72 W.L.)
REMOTE12 - AMC 3 - (87 W.L.)
REMOTE13 - AMC 3 - (87 W.L.)
REMOTE14 - AMC 3 - (87 W.L.)
REMOTE2 - AMC 3 - (87 W.L.)
REMOTE2 - AMC-6 - (72 W.L.)
REMOTE2 - AMC-9 - (85 W.L.)
REMOTE4 - AMC 3 - (87 W.L.)
REMOTE4 - AMC-6 - (72 W.L.)
REMOTE4 - AMC-9 - (85 W.L.)
REMOTE5 - AMC 3 - (87 W.L.)
REMOTE5 - AMC-6 - (72 W.L.)
REMOTE5 - AMC-9 - (85 W.L.)

REMOTE6 - AMC 3 - (87 W.L.)
REMOTE6 - AMC-6 - (72 W.L.)
REMOTE6 - AMC-9 - (85 W.L.)
REMOTE7 - AMC 3 - (87 W.L.)
REMOTE7 - AMC-6 - (72 W.L.)
REMOTE7 - AMC-9 - (85 W.L.)
REMOTE8 - AMC 3 - (87 W.L.)
REMOTE8 - AMC-6 - (72 W.L.)
REMOTE8 - AMC-9 - (85 W.L.)
REMOTE9 - AMC 3 - (87 W.L.)
REMOTE9 - AMC-6 - (72 W.L.)
REMOTE9 - AMC-9 - (85 W.L.)

SES-MOD-20110426-00496 E E000035 SPACENET SERVICES LICENSE SUB, INC.
Application for Modification 07/12/2010 - 07/12/2025
Grant of Authority Date Effective: 06/13/2011

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

OK'd for grant by Trang.

SITE ID: REMOTE 2TF
LOCATION: .75 M (500,000 UNITS), CONUS,AK,HI,PR,VI

| ANTENNA ID: | 0.75M TF | 0.75 meters | ASC SIGNAL | TMC 75E |
|-----------------------------|----------|-------------|------------|---|
| 14000.0000 - 14500.0000 MHz | | 100KG7D | 40.90 dBW | 38.4 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 100 KHZ BANDWIDTH, DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | | 60K0G7D | 35.50 dBW | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 14000.0000 - 14500.0000 MHz | | 200KG7D | 40.90 dBW | 76.8 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 200 KHZ BANDWIDTH, DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | | 120KG7D | 38.50 dBW | 76.8 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 120 KHZ BANDWIDTH, DIGITAL CARRIER |

| | | | |
|-----------------------------|---------|-----------|--|
| 14000.0000 - 14500.0000 MHz | 400KG7D | 44.22 dBW | 153.6KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 400 KHZ BANDWIDTH, DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 240KG7D | 38.50 dBW | 153.6 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 240 KHZ BANDWIDTH, DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 800KG7D | 44.52 dBW | 307.2 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 800 KHZ BANDWIDTH, DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 480KG7D | 38.50 dBW | 307.2 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 480 KHZ BANDWIDTH, DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 48K0G7D | 44.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 160KG7D | 38.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 1M20G7D | 44.52 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 242KG7D | 41.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 2M20G7D | 44.52 dBW | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 14000.0000 - 14500.0000 MHz | 598KG7D | 44.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 298KG7D | 41.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 11700.0000 - 12200.0000 MHz | 425KG7D | | 128 KBPS, 1/2 RATE FEC, BPSK MODULATION, 425 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 400KG7D | | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 11700.0000 - 12200.0000 MHz | 800KG7D | | 256 KBPS, 1/2 RATE FEC, BPSK MODULATION, 800 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 600KG7D | | 384 KBPS, 1/2 RATE FEC, QPSK MODULATION, 600 KHZ BANDWIDTH, DIGITAL CARRIER |

| | | |
|-----------------------------|---------|--|
| 11700.0000 - 12200.0000 MHz | 1M20G7D | 384 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,200 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 800KG7D | 512 KBPS, 1/2 RATE FEC, QPSK MODULATION, 800 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M60G7D | 512 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,600 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M20G7D | 768 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,200 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 24M0G7D | 768 KBPS, 1/2 RATE FEC, BPSK MODULATION, 2,400 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M60G7D | 1,024 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,600 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 3M20G7D | 1,024 KBPS, 1/2 RATE FEC, BPSK MODULATION, 3,200 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 2M40G7D | 1,536 KBPS, 1/2 RATE FEC, QPSK MODULATION, 2,400 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 4M80G7D | 1,536 KBPS, 1/2 RATE FEC, BPSK MODULATION, 4,800 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 3M20G7D | 2,048 KBPS, 1/2 RATE FEC, QPSK MODULATION, 3,200 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 6M40G7D | 2,048 KBPS, 1/2 RATE FEC, BPSK MODULATION, 6,400 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 6M10G7D | 3,500 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 6,100 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 8M10G7D | 6,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 8,100 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 10M8G7D | 8,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 10,800 KHZ BANDWIDTH, DIGITAL CARRIER |

| | | |
|-----------------------------|---------|---|
| 11700.0000 - 12200.0000 MHz | 16M2G7D | 12,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 16,200 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 21M6G7D | 16,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 21,600 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 36M0G7D | 26,700 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 36,000 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 43M2G7D | 32,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 43,200 KHZ BANDWIDTH, DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 54M0G7D | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |

SITE ID: Remote TF 75E
LOCATION: .75 M (10,000 UNITS), CONUS,AK,HI,PR,VI

ANTENNA ID: TF 75E 0.75 meters ANDREW 75E

| | | | |
|-----------------------------|---------|-----------|---|
| 14000.0000 - 14500.0000 MHz | 60K0G7D | 35.50 dBW | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 14000.0000 - 14500.0000 MHz | 120KG7D | 38.50 dBW | 76.8 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 120 KHZ BANDWIDTH DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 100KG7D | 35.47 dBW | 38.4 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 100 KHZ BANDWIDTH DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 200KG7D | 38.20 dBW | 76.8 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 200 KHZ BANDWIDTH DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 240KG7D | 38.50 dBW | 153.6 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 240 KHZ BANDWIDTH DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 400KG7D | 38.20 dBW | 153.6 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 400 KHZ BANDWIDTH DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 480KG7D | 38.50 dBW | 307.2 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 480 KHZ BANDWIDTH DIGITAL CARRIER |

| | | | |
|-----------------------------|---------|-----------|---|
| 14000.0000 - 14500.0000 MHz | 800KG7D | 38.50 dBW | 307.2 KBPS, 1/2 RATE FEC, BPSK MODULATION (BPSK VARIANT), 800 KHZ BANDWIDTH DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 160KG7D | 38.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 1M20G7D | 44.52 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 242KG7D | 41.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 298KG7D | 41.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 2M20G7D | 44.50 dBW | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 14000.0000 - 14500.0000 MHz | 4M80G7D | 44.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 598KG7D | 44.50 dBW | BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER |
| 14000.0000 - 14500.0000 MHz | 100KG7D | 38.80 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 1M20G7D | 44.52 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 200KG7D | 41.80 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 2M20G7D | 44.52 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 300KG7D | 42.10 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 400KG7D | 44.22 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 800KG7D | 44.52 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 400KG7D | | 256 KBPS, 1/2 RATE FEC, QPSK MODULATION, 400 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 425KG7D | | 128 KBPS, 1/2 RATE FEC, BPSK MODULATION, 425 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 600KG7D | | 384 KBPS, 1/2 RATE FEC, QPSK MODULATION, 600 KHZ BANDWIDTH DIGITAL CARRIER |

| | | |
|-----------------------------|---------|---|
| 11700.0000 - 12200.0000 MHz | 800KG7D | 256 KBPS, 1/2 RATE FEC, BPSK MODULATION, 800 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 800KG7D | 512 KBPS, 1/2 RATE FEC, QPSK MODULATION, 800 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M20G7D | 384 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,200 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M20G7D | 768 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,200 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M60G7D | 512 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,600 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 24M0G7D | 768 KBPS, 1/2 RATE FEC, BPSK MODULATION, 2,400 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M60G7D | 1,024 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,600 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 2M40G7D | 1,536 KBPS, 1/2 RATE FEC, QPSK MODULATION, 2,400 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 3M20G7D | 1,024 KBPS, 1/2 RATE FEC, BPSK MODULATION, 3,200 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 3M20G7D | 2,048 KBPS, 1/2 RATE FEC, QPSK MODULATION, 3,200 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 4M80G7D | 1,536 KBPS, 1/2 RATE FEC, BPSK MODULATION, 4,800 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 6M40G7D | 2,048 KBPS, 1/2 RATE FEC, BPSK MODULATION, 6,400 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 6M10G7D | 3,500 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 6,100 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 8M10G7D | 6,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 8,100 KHZ BANDWIDTH DIGITAL CARRIER |

| | | | |
|-----------------------------|---------|----------|---|
| 11700.0000 - 12200.0000 MHz | 10M8G7D | | 8,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 10,800 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 16M2G7D | | 12,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 16,200 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 21M6G7D | | 16,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 21,600 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 36M0G7D | | 26,700 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 36,000 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 43M2G7D | | 32,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 43,200 KHZ BANDWIDTH DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 54M0G7D | | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 11700.0000 - 12200.0000 MHz | 26M0G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 6M40G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 16M2G7D | 0.00 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M60G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 3M20G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 400KG7D | | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 11700.0000 - 12200.0000 MHz | 800KG7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |

SITE ID: Remote 2
LOCATION: .75M-F (100,000 UNITS), CONUS,AK,HI,PR,VI

| | | | |
|-----------------------------|-------------|------------|---|
| ANTENNA ID: 0.75M-F | 0.75 meters | ASC SIGNAL | TMC 75E |
| 14000.0000 - 14500.0000 MHz | 100KG7D | 39.10 dBW | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |

| | | | |
|-----------------------------|---------|-----------|---|
| 14000.0000 - 14500.0000 MHz | 1M20G7D | 44.80 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 200KG7D | 42.10 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 2M20G7D | 44.80 dBW | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 14000.0000 - 14500.0000 MHz | 300KG7D | 42.10 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 400KG7D | 44.80 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 800KG7D | 44.80 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 6M40G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 16M2G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M60G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 26M0G7D | | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 11700.0000 - 12200.0000 MHz | 3M20G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 400KG7D | | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 11700.0000 - 12200.0000 MHz | 800KG7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |

SITE ID: Remote 2 T/F
LOCATION: .75M (1,000 UNITS), CONUS,AK,HI,PR,VI

| | | | |
|-----------------------------|-------------|------------|---|
| ANTENNA ID: .75M T/F | 0.75 meters | ASC SIGNAL | TMC 75E |
| 14000.0000 - 14500.0000 MHz | 100KG7D | 39.10 dBW | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 14000.0000 - 14500.0000 MHz | 1M20G7D | 45.10 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 200KG7D | 42.10 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |

| | | | |
|-----------------------------|---------|-----------|---|
| 14000.0000 - 14500.0000 MHz | 2M20G7D | 45.10 dBW | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 14000.0000 - 14500.0000 MHz | 300KG7D | 42.10 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 400KG7D | 45.10 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 800KG7D | 45.10 dBW | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 16M2G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M60G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 26M0G7D | | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 11700.0000 - 12200.0000 MHz | 3M20G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 400KG7D | | DIGITAL DATA WITH VARIOUS MODULATION, DATA RATES AND INFORMATION TYPE |
| 11700.0000 - 12200.0000 MHz | 6M40G7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 800KG7D | | BPSK, QPSK AND 8PSK MODULATED DIGITAL CARRIER |

SITE ID: REMOTE 2 TG
LOCATION: 0.74M-TG (100,000 UNITS), CONUS,AK,HI,PR,VI

| | | | |
|-----------------------------|-------------|-----------|--|
| ANTENNA ID: .74M TG | 0.74 meters | PRODELIN | 0.74 METER-1741 |
| 14000.0000 - 14500.0000 MHz | 800KG7D | 42.00 dBW | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 400KG7D | 42.00 dBW | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 200KG7D | 42.00 dBW | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 14000.0000 - 14500.0000 MHz | 1M60G7D | 42.00 dBW | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 800KG7D | | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |

| | | |
|-----------------------------|---------|---|
| 11700.0000 - 12200.0000 MHz | 6M40G7D | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 400KG7D | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 3M20G7D | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 26M0G7D | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 1M60G7D | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |
| 11700.0000 - 12200.0000 MHz | 16M2G7D | BPSK, QPSK AND 8PSK, MODULATED DIGITAL CARRIER |

Points of Communication:

- Remote 2 - EHOSTAR -9 - (121 W.L.)
- Remote 2 T/F - EHOSTAR -9 - (121 W.L.)
- REMOTE 2 TG - AMC 1 - (103 W.L.)
- REMOTE 2 TG - AMC 2 - (78.95 W.L.)
- REMOTE 2 TG - AMC 3 - (87 W.L.)
- REMOTE 2 TG - AMC 3 - (87 W.L.)
- REMOTE 2 TG - AMC-6 - (72 W.L.)
- REMOTE 2 TG - EHOSTAR -9 - (121 W.L.)
- REMOTE 2 TG - GALAXY 16 - (99 W.L.)
- REMOTE 2 TG - GALAXY 17 - (91 W.L.)
- REMOTE 2 TG - GALAXY 18 - (123 W.L.)
- REMOTE 2 TG - GALAXY 19 - (97 W.L.)
- REMOTE 2 TG - GALAXY 28 - (89.0 W.L.)
- REMOTE 2 TG - SES-1 - (101 W.L.)
- REMOTE 2TF - AMC 2 - (85.0 W.L.)
- REMOTE 2TF - AMC-4 (formerl GE-4 - (101 W.L.)
- REMOTE 2TF - AMC-5 (formerl GE-5 - (79 W.L.)
- REMOTE 2TF - AMC-6 - (72 W.L.)
- REMOTE 2TF - GALAXY 18 - (123 W.L.)

REMOTE 2TF - GE GSTAR 4 - (105 W.L.)
 REMOTE 2TF - HORIZONS 2 - (74.05 DEG)
 REMOTE 2TF - IA-7 - (129 W.L.)
 REMOTE 2TF - TELSTAR 7 - (129 W.L.)
 Remote TF 75E - AMC 2 - (85.0 W.L.)
 Remote TF 75E - AMC-5 (formerl GE-5 - (79 W.L.)
 Remote TF 75E - GE GSTAR 4 - (105 W.L.)
 Remote TF 75E - GE-2 - (85 W.L.)
 Remote TF 75E - GE-4 - (101 W.L.)
 Remote TF 75E - GE-6 - (81 WL)
 Remote TF 75E - HORIZONS 2 - (74.05 DEG)
 Remote TF 75E - TELSTAR 7 - (129 W.L.)

SES-MOD-20110610-00690 E E980203 OuterLink Corporation
 Application for Modification 07/02/2005 - 07/02/2020
 Grant of Authority Date Effective: 06/13/2011

Class of Station: Mobile Earth Station
Nature of Service: Mobile Satellite Service

"MOD" to add a second remote control hub.

SITE ID: 1
 LOCATION: 175 CABOT STREET, SUITE 311, LOWELL, MA

| | | |
|---------------------------|--------------|--------------------|
| ANTENNA ID: 1 | 0.075 meters | CP-2MES |
| 1638.5000 - 1642.0000 MHz | 3M500G1D | 14.76 dBW |
| 1530.0000 - 1559.0000 MHz | 6K000G1D | Mobile Packet Data |

Points of Communication:

1 - MSAT-1 - (106.5 W.L.)
 1 - MSAT-2 - (101.3 W.L.)
 1 - MSAT-2 - (103.3 W.L.)
 1 - SKYTERRA 1 - (101.3 W.L.)

SES-RWL-20110606-00652 E E010138 Production & Satellite Services, Inc.
Renewal
Grant of Authority

07/18/2011 - 07/18/2026
Date Effective: 06/09/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service, International Fixed Satellite Service

SITE ID: 1

LOCATION: Various locations throughout the U.S.

| ANTENNA ID: | 1 | 2.4 meters | L3 Communications | AN/USC-60A |
|-----------------------------|---|------------|-------------------|--------------------------------|
| 14000.0000 - 14500.0000 MHz | | 500KG7W | 48.60 dBW | Digital Compressed Information |
| 14000.0000 - 14500.0000 MHz | | 36M0F8F | 74.02 dBW | Analog TV Full Transponder |
| 14000.0000 - 14500.0000 MHz | | 18M0F8F | 71.10 dBW | Analog TV Half Transponder |
| 14000.0000 - 14500.0000 MHz | | 54M0G7W | 74.02 dBW | Digital Compressed Information |
| 11700.0000 - 12200.0000 MHz | | 18M0F8F | | Analog TV Half Transponder |
| 11700.0000 - 12200.0000 MHz | | 54M0G7W | | Digital Compressed Information |
| 11700.0000 - 12200.0000 MHz | | 36M0F8F | | Analog TV Full Transponder |
| 11700.0000 - 12200.0000 MHz | | 500KG7W | | Digital Compressed Information |

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - ANIK E1 - (118.7 W.L.)
- 1 - ANIK E2 - (111.1 W.L.)
- 1 - ANIK F1 - (107.3 W.L.)
- 1 - INTELSAT 605 - (332.5 E.L.)
- 1 - INTELSAT POR - (166 E.L.)
- 1 - New Skies 513 - (183 E.L.)
- 1 - New Skies 806 - (319.5 E.L.)
- 1 - NSS-5 - (183 E.L.)
- 1 - PANAMSAT 5 - (194 W.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-3R - (43.0 W.L.)
- 1 - PAS-4 - (191.0 W.L.)

1 - SATMEX-5 - (116.8 W.L.)

1 - SOLIDARIDAD F-1 - (109.2 W.L.)

1 - SOLIDARIDAD F-2 - (113.0 W.L.)

SES-RWL-20110606-00653 E E010126 Production & Satellite Services, Inc.
Renewal 07/03/2011 - 07/03/2026
Grant of Authority Date Effective: 06/09/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 4415 WAGON TRAIL AVE., CLARK, LAS VEGAS, NV

| ANTENNA ID: | 1 | 2.4 meters | ANDREW CORPORATION | ESA-24SNG-LTE-25 | |
|-----------------------------|---|------------|--------------------|------------------|--------------------------------|
| 14000.0000 - 14500.0000 MHz | | | 36M0F3F | 76.30 dBW | ANALOG TELEVISION |
| 14000.0000 - 14500.0000 MHz | | | 36M0G7W | 71.60 dBW | DIGITAL COMPRESSED INFORMATION |
| 14000.0000 - 14500.0000 MHz | | | 4M00G7F | 62.20 dBW | DIGITAL COMPRESSED INFORMATION |
| 11700.0000 - 12200.0000 MHz | | | 36M0F3F | | ANALOG TELEVISION |
| 11700.0000 - 12200.0000 MHz | | | 36M0G7W | | DIGITAL COMPRESSED INFORMATION |
| 11700.0000 - 12200.0000 MHz | | | 4M00G7F | | DIGITAL COMPRESSED INFORMATION |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110606-00654 E E980081 EchoStar Broadcasting Corporation
Renewal 08/01/2011 - 08/01/2026
Grant of Authority Date Effective: 06/09/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Cheyenne

LOCATION: 530 EchoStar Drive, Laramie, Cheyenne, WY
41 ° 7 ' 58.30 " N LAT. 104 ° 44 ' 9.10 " W LONG.

| ANTENNA ID: | T5 | 13.2 meters | TIW | 13.2 METER | |
|-----------------------------|----|-------------|---------|------------|------|
| 17301.0000 - 17302.0000 MHz | | | 1M00G2D | 87.40 dBW | TT&C |

| | | | |
|-----------------------------|-------------|-----------|-----------------------------------|
| 17300.0000 - 17800.0000 MHz | 24M0M1F | 85.00 dBW | FEEDERLINK |
| 12698.5000 - 12699.5000 MHz | 1M00G2D | | TT&C |
| 12202.5000 - 12203.5000 MHz | 1M00G2D | | TT&C |
| 12200.5000 - 12201.5000 MHz | 1M00G2D | | TT&C |
| 12200.0000 - 12700.0000 MHz | 24M0M1F | | DBS/IOPT |
| ANTENNA ID: T6 | 13.2 meters | TIW | 13.2 METER |
| 17790.0000 - 17800.0000 MHz | 800KG2D | 86.40 dBW | TELECOMMAND |
| 17790.0000 - 17800.0000 MHz | 800KG2D | 86.40 dBW | TELECOMMAND |
| 17310.0000 - 17790.0000 MHz | 24M0G7W | 87.40 dBW | DIGITAL DATA AND COMPRESSED VIDEO |
| 17300.0000 - 17310.0000 MHz | 800KG2D | 86.40 dBW | TELECOMMAND |
| 17300.0000 - 17310.0000 MHz | 800KG2D | 86.40 dBW | TELECOMMAND |
| 12690.0000 - 12700.0000 MHz | 800KG2D | | TELEMETRY |
| 12690.0000 - 12700.0000 MHz | 800KG2D | | TELEMETRY |
| 12210.0000 - 12690.0000 MHz | 24M0G7W | | DIGITAL DATA AND COMPRESSED VIDEO |
| 12210.0000 - 12690.0000 MHz | 24M0G7W | | DIGITAL DATA AND COMPRESSED VIDEO |
| 12200.0000 - 12210.0000 MHz | 800KG2D | | TELEMETRY |

Points of Communication:

- Cheyeene - CIEL 2 - (128.85 W.L.)
- Cheyeene - ECHOSTAR 10 - (110 W.L.)
- Cheyeene - ECHOSTAR 11 - (110 W.L.)
- Cheyeene - ECHOSTAR 2 - (119 W.L.)
- Cheyeene - ECHOSTAR 3 - (61.5 W.L.)
- Cheyeene - ECHOSTAR 4 - (77 W.L.)
- Cheyeene - ECHOSTAR 5 - (148 W.L.)
- Cheyeene - ECHOSTAR 6 - (72.7 W.L.)
- Cheyeene - ECHOSTAR 7 - (119 W.L.)

Cheyeene - EHOSTAR 7S - (119.2 W.L.)

Cheyeene - EHOSTAR 8 - (77 W.L.)

Cheyeene - RAINBOW1 - (61.5 W.L.)

SES-RWL-20110606-00655 E E980005 EchoStar Broadcasting Corporation
Renewal 08/01/2011 - 08/01/2026
Grant of Authority Date Effective: 06/09/2011

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, Feeder Link for DBS in Fixed Satellite Service, Other

SITE ID: 1

LOCATION: 530 EHOSTAR DRIVE, LARMIE, CHEYENNE, WY

41 ° 7 ' 56.40 " N LAT.

104 ° 44 ' 10.40 " W LONG.

| ANTENNA ID: | 1 | 13.2 meters | TIW | 13.2 METER | |
|-----------------------------|---|-------------|---------|------------|------------------------------|
| 17790.0000 - 17800.0000 MHz | | | 1M00G2D | 35.80 dBW | Telemetry |
| 17307.0000 - 17308.5000 MHz | | | 1M00G2D | 86.30 dBW | Digital Data, FEC 3/4 (TT&C) |
| 17301.0000 - 17302.0000 MHz | | | 1M00G2D | 86.30 dBW | Digital Data, FEC 3/4 (TT&C) |
| 17300.0000 - 17800.0000 MHz | | | 24M0M1F | 87.40 dBW | Digital Video, FEC 3/4 |
| 17300.0000 - 17800.0000 MHz | | | 24M0G1W | 87.40 dBW | Digital Video, FEC 3/4 |
| 12698.5000 - 12699.5000 MHz | | | 1M00G2D | | Telemetry Beacon (TT&C) |
| 12202.5000 - 12203.5000 MHz | | | 1M00G2D | | Telemetry Beacon (TT&C) |
| 12200.5000 - 12201.5000 MHz | | | 1M00G2D | | Telemetry Beacon (TT&C) |
| 12200.0000 - 12700.0000 MHz | | | 24M0M1F | | Digital Video, FEC 3/4 |
| 12200.0000 - 12205.0000 MHz | | | 800KG2D | | Telemetry |

Points of Communication:

1 - ECHO-3 - (61.5 DEG)

1 - EHOSTAR 1 - (77.15 W.L.)

1 - EHOSTAR 12 - (61.35 W.L.)

1 - EHOSTAR 14 - (118.9 W.L.)

1 - EHOSTAR 15 - (61.55 W.L.)

1 - EHOSTAR 2 - (148 W.L.)

1 - EHOSTAR 4 - (76.85 W.L.)

1 - EHOSTAR 6 - (61.65 W.L.)

1 - EHOSTAR 7 - (118.8 W.L.)

1 - EHOSTAR 8 - (77 W.L.)

SES-RWL-20110607-00658 E WB81 SES Americom, Inc.

Renewal

08/28/2011 - 08/28/2026

Grant of Authority

Date Effective: 06/09/2011

Class of Station: Fixed Earth Stations

Nature of Service: Direct to Home Fixed Satellite, Fixed Satellite Service

SITE ID: 1

LOCATION: 100 EDSALL DRIVE, SUSSEX, VERNON VALLEY, NJ

41 ° 12 ' 6.30 " N LAT.

74 ° 31 ' 34.60 " W LONG.

| | | | |
|---------------------------|---|-----------|-----------|
| ANTENNA ID: | 1 | 13 meters | E SYSTEMS |
| 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: | 2 | 13.1 meters | VERTEX | 13 KPC |
| 6423.5000 - 6423.5000 MHz | | 3M00F3D | 83.79 dBW | TT&C |
| 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 | | 3M00F3D | 83.79 dBW | TT&C |
| 5925.0000 - 6425.0000 MHz | | 36M0G7W | 83.79 dBW | DIGITAL DATA |
| 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 | | 36M0G7W | DIGITAL DATA |
| ANTENNA ID: | 3 | 11 meters | SCIENTIFIC ATLANTA | 8007 |
| | 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: | 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 TECH INC | 1100C |
| | 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 |

SES-RWL-20110608-00674 E E010200 CoxCom,Inc
Renewal 07/16/2011 - 07/16/2026
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 4901 SOUTH 48TH STREET, WASHINGTON, SPRINGDALE, AR
36 ° 8 ' 34.00 " N LAT. 94 ° 10 ' 39.00 " W LONG.

| | | | | |
|-------------|---------------------------|------------|---------|---------------|
| ANTENNA ID: | 1 | 4.5 meters | PATRIOT | 4.5 METER |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | DIGITAL VIDEO |
| | 3700.0000 - 4200.0000 MHz | | 36M0F8F | ANALOG VIDEO |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110608-00675 E E010196 CoxCom,Inc
Renewal 07/16/2011 - 07/16/2026
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 3117 STATE LINE ROAD, SEBASTIAN, FORT SMITH, AR
35 ° 21 ' 12.30 " N LAT. 94 ° 25 ' 55.70 " W LONG.

| | | | | |
|-------------|---------------------------|-----------|--------------------|---------------|
| ANTENNA ID: | 1 | 10 meters | SCIENTIFIC-ATLANTA | SA8112-1 |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | DIGITAL VIDEO |
| | 3700.0000 - 4200.0000 MHz | | 36M0F8F | ANALOG VIDEO |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110608-00676 E E010188 COX COMMUNICATIONS, INC.
Renewal 07/09/2011 - 07/09/2026
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 4777 EAST 29TH STREET, PIMA, TUSCON, AZ
32 ° 12 ' 2.80 " N LAT. 110 ° 53 ' 45.70 " W LONG.

| | | | | |
|-------------|---------------------------|----------|--------------------|--------------------|
| ANTENNA ID: | 1 | 5 meters | ANTENNA TECH CORP. | SIMULSAT 5M T40501 |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | DIGITAL VIDEO |
| | 3700.0000 - 3700.0000 MHz | | 36M0F8F | ANALOG VIDEO |

Points of Communication:

1 - ALSAT - (ALSAT)

| | | | | | |
|-------------------------------|---|---------|----------------------------|-------------------------|------------|
| SES-RWL-20110608-00677 | E | E010223 | CEBRIDGE ACQUISITION, L.P. | | |
| Renewal | | | | 08/16/2011 - 08/16/2026 | |
| Grant of Authority | | | | Date Effective: | 06/10/2011 |

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 138 TOWER LANE, HOT SPRING, ARKADELPHIA, AR
34 ° 6 ' 31.00 " N LAT. 93 ° 7 ' 10.30 " W LONG.

| | | | | |
|-------------|---------------------------|------------|--------------------|--|
| ANTENNA ID: | 1 | 4.6 meters | SCIENTIFIC-ATLANTA | 4.6M PRIME FOCUS |
| | 3700.0000 - 4200.0000 MHz | | 36M0F8F | ANALOG VIDEO WITH ASSOCIATED SUBCARRIERS |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | VIDEO COMPRESSED |

Points of Communication:

1 - ALSAT - (ALSAT)

| | | | | | |
|-------------------------------|---|---------|----------------------------|-------------------------|------------|
| SES-RWL-20110608-00678 | E | E010228 | CEBRIDGE ACQUISITION, L.P. | | |
| Renewal | | | | 08/16/2011 - 08/16/2026 | |
| Grant of Authority | | | | Date Effective: | 06/10/2011 |

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1540 E. 19TH STREET, UNION, EL DORADO, AR
33 ° 14 ' 12.30 " N LAT. 92 ° 38 ' 46.90 " W LONG.

| | | | | |
|-------------|---------------------------|-----------|--------------------|--|
| ANTENNA ID: | 1 | 10 meters | SCIENTIFIC-ATLANTA | 10M PRIME FOCUS |
| | 3700.0000 - 4200.0000 MHz | | 36M0F8F | ANALOG VIDEO WITH ASSOCIATED SUBCARRIERS |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | VIDEO COMPRESSED |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110608-00679 E E010224 CEBRIDGE ACQUISITION, L.P.
Renewal 08/16/2011 - 08/16/2026
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 2490 HARRISON STREET, INDEPENDENCE, BATESVILLE, AR
35 ° 46 ' 8.00 " N LAT. 91 ° 37 ' 28.00 " W LONG.

| | | | | |
|-------------|---------------------------|----------|-------------------|--|
| ANTENNA ID: | 1 | 5 meters | ANTENNA TECH CORP | SIMULSAT 5M |
| | 3700.0000 - 4200.0000 MHz | | 36M0F8F | ANALOG VIDEO WITH ASSOCIATED SUBCARRIERS |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | VIDEO COMPRESSED |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110608-00680 E E010226 CEBRIDGE ACQUISITION, L.P.
Renewal 08/16/2011 - 08/16/2026
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 808 CLUB BOULEVARD, BAXTER, MOUNTAIN HOME, AR
36 ° 21 ' 5.20 " N LAT. 92 ° 21 ' 27.60 " W LONG.

| | | | | |
|-------------|---------------------------|------------|--------------------|--|
| ANTENNA ID: | 1 | 4.5 meters | SCIENTIFIC-ATLANTA | 8345 4.5 METER |
| | 3700.0000 - 4200.0000 MHz | | 36M0F8F | ANALOG VIDEO WITH ASSOCIATED SUBCARRIERS |
| | 3700.0000 - 4200.0000 MHz | | 36M0G7F | VIDEO COMPRESSED |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110608-00681 E KJ36 CEBRIDGE ACQUISITION, L.P.
Renewal 08/14/2011 - 08/14/2026
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: NOBLE, PERRY, OK
36 ° 15 ' 40.00 " N LAT. 97 ° 16 ' 36.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 414
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES - RWL - 20110608 - 00682 E E010166 CEBRIDGE ACQUISITION, L.P.
Renewal 08/08/2011 - 08/08/2026
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1/4 MILE EAST US 77, GARVIN, PAULSVALLEY, OK
34 ° 41 ' 1.00 " N LAT. 97 ° 12 ' 18.00 " W LONG.

ANTENNA ID: 1 4.6 meters SCIENTIFIC-ATLANTA S40461
3700.0000 - 4200.0000 MHz 36M0G7F DIGITAL VIDEO
3700.0000 - 4200.0000 MHz 36M0F8F ANALOG VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES - RWL - 20110608 - 00683 E E010225 CEBRIDGE ACQUISITION, L.P.
Renewal 08/16/2011 - 08/16/2026
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 127 N. EL MIRA AVE., POPE, RUSSELLVILLE, AR
35 ° 18 ' 32.00 " N LAT. 93 ° 6 ' 33.00 " W LONG.

ANTENNA ID: 1 5 meters ANTENNA TECH CORP. SIMULSAT 5M.
3700.0000 - 4200.0000 MHz 36M0F8F ANALOG VIDEO WITH ASSOCIATED SUBCARRIERS
3700.0000 - 4200.0000 MHz 36M0G7F VIDEO COMPRESSED

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110608-00686 E E910376 Alascom, Inc. 08/02/2011 - 08/02/2026
Renewal
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: MILE 1222 ALASKA HIGHWAY, BORDER CITY, AK
62 ° 37 ' 14.80 " N LAT. 141 ° 0 ' 35.70 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|-----------------|
| ANTENNA ID: | 1 | 4.5 meters | ANDREW CORP. | ESA45-46A |
| | 5925.0000 - 6425.0000 MHz | | 1M15G7W 59.80 dBW | QPSK, T1, ADPCM |
| | 3700.0000 - 4200.0000 MHz | | 1M15G7W | QPSK, T1, ADPCM |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110608-00687 E E2271 Alascom, Inc. 08/05/2011 - 08/05/2026
Renewal
Grant of Authority Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: FIRST & PAUSANNA STS, NUIQSUT, AK
70 ° 12 ' 51.00 " N LAT. 150 ° 59 ' 27.00 " W LONG.

| | | | | |
|-------------|---------------------------|------------|-------------------|------------------------------------|
| ANTENNA ID: | 1 | 4.5 meters | ANDREW | ESA5-46A |
| | 5925.0000 - 6425.0000 MHz | | 13M9G1D 60.80 dBW | VARIOUS PSK & QAM - DATA |
| | 5925.0000 - 6425.0000 MHz | | 29K0G1D 45.90 dBW | VARIOUS PSK & QAM - DATA |
| | 5925.0000 - 6425.0000 MHz | | 13M9G7W 60.80 dBW | VARIOUS PSK & QAM - VOICE AND DATA |
| | 5925.0000 - 6425.0000 MHz | | 57K0G7W 48.90 dBW | VARIOUS PSK & QAM - VOICE AND DATA |
| | 3700.0000 - 4200.0000 MHz | | 13M9G1D | VARIOUS PSK & QAM - DATA |
| | 3700.0000 - 4200.0000 MHz | | 29K0G1D | VARIOUS PSK & QAM - DATA |
| | 3700.0000 - 4200.0000 MHz | | 13M9G7W | VARIOUS PSK & QAM - VOICE AND DATA |

3700.0000 - 4200.0000 MHz

57K0G7W

VARIOUS PSK & QAM - VOICE AND
DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110609-00688 E E010143 Montana State University

Renewal

07/18/2011 - 07/18/2026

Grant of Authority

Date Effective: 06/13/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: MONTANA STATE UNIVERSITY (KUSM-TV), GALLATIN, BOZEMAN, MT

45 ° 39 ' 55.00 " N LAT.

111 ° 3 ' 8.00 " W LONG.

ANTENNA ID: ANT.1 5 meters ANTENNA SATCOM TECH 500KS

14000.0000 - 14500.0000 MHz 36M0F3F 78.50 dBW ANALOG FREQUENCY
MODULATION, VIDEO, AUDIO

14000.0000 - 14500.0000 MHz 6M00G7W 72.00 dBW QPSK, 8PSK, DIGITAL DATA, VIDEO,
AUDIO

11700.0000 - 12200.0000 MHz 36M0F3F ANALOG FREQUENCY
MODULATION, VIDEO, AUDIO

11700.0000 - 12200.0000 MHz 36M0G7W QPSK, 8PSK, DIGITAL DATA, VIDEO,
AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110609-00689 E KY58 COX COMMUNICATIONS LOUISIANA, LLC

Renewal

07/31/2011 - 07/31/2026

Grant of Authority

Date Effective: 06/10/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: IBERVILLE, PLAQUEMINE, LA

30 ° 16 ' 20.00 " N LAT.

91 ° 15 ' 4.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC-ATLANTA 8008B

3700.0000 - 4200.0000 MHz 36M0F3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110610-00695 E E010120 Panhandle Telecasting Limited Partnership
Renewal 07/10/2011 - 07/10/2026
Grant of Authority Date Effective: 06/13/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1 1.5 meters ADVENT NEWSWIFT
14000.0000 - 14500.0000 MHz 36M0G7W 66.10 dBW MCPC DIGITAL CARRIER FOR VIDEO/AUDIO/DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110610-00700 E E910618 CSC TKR LLC
Renewal 08/22/2011 - 08/22/2026
Grant of Authority Date Effective: 06/14/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 609 CENTER AVENUE, WESTCHESTER, MAMARONECK, NY
40 ° 56 ' 56.00 " N LAT. 73 ° 44 ' 47.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC-ATLANTA 8008B
3700.0000 - 4200.0000 MHz 36MOF3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110610-00701 E E910621 BRESNAN COMMUNICATIONS, LLC
Renewal 08/26/2011 - 08/26/2026
Grant of Authority Date Effective: 06/14/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: TETON, JACKSON, WY
43 ° 25 ' 59.00 " N LAT. 110 ° 46 ' 50.00 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC-ATLANTA 8345
3700.0000 - 4200.0000 MHz 36M0F3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110610-00702 E KJ34 BRESNAN COMMUNICATIONS, LLC
Renewal 09/05/2011 - 09/05/2026
Grant of Authority Date Effective: 06/14/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: WESTON, NEWCASTLE, WY
43 ° 51 ' 52.00 " N LAT. 104 ° 11 ' 22.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA5-4HP
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110610-00703 E KJ43 BRESNAN COMMUNICATIONS, LLC
Renewal 08/14/2011 - 08/14/2026
Grant of Authority Date Effective: 06/14/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: COLE AND GOLD, LEWIS & CLARK, HELENA, MT
46 ° 36 ' 14.00 " N LAT. 112 ° 1 ' 37.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 8008
3700.0000 - 4200.0000 MHz 36M0F8F RECEIVE ONLY
3700.0000 - 4200.0000 MHz 36M0G7F RECEIVE ONLY

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110613-00704 E KJ44 WINDJAMMER COMMUNICATIONS LLC
Renewal 08/14/2011 - 08/14/2026
Grant of Authority Date Effective: 06/14/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: YOUNG, GRAHAM, TX
33 ° 5 ' 51.00 " N LAT. 98 ° 35 ' 56.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA5-4HP
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110614-00705 E E3131 CBS Corporation
Renewal 07/29/2011 - 07/29/2026
Grant of Authority Date Effective: 06/14/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: CONUS
0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID: 1 1.2 meters AVL TECHNOLOGIES 1200
14000.0000 - 14500.0000 MHz 36M0G7W 64.50 dBW ONE 36 MBIT MCPC DIGITAL
CARRIER FOR VOICE DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20110427-00519 E E010151 WB HOLDINGS 1 LLC
Special Temporary Authority
Grant of Authority Date Effective: 06/14/2011

Class of Station:

Special Temporary Authority is GRANTED for a period of 60 days from June 14, 2011 until August 12, 2011.

Points of Communication:

SES-STA-20110427-00520 E E040213 WB HOLDINGS 1 LLC

Special Temporary Authority
Grant of Authority

Date Effective: 06/14/2011

Class of Station:

Special Temporary Authority is GRANTED for a period of 60 days from June 14, 2011 until August 12, 2011.

Points of Communication:

SES-STA-20110509-00568 E Intelsat License LLC

Special Temporary Authority
Grant of Authority

Date Effective: 06/03/2011

Class of Station:

Reissue the grant with the added attached new set of conditions.

Points of Communication:

Dismissal

SES-STA-20110609-00691 E980127 EchoStar Broadcasting Corporation

STA has been dismissed, underlying modification application SES-MFS-20110330-00385 has been granted.

SES-STA-20110609-00692 E070015 EchoStar Broadcasting Corporation

STA application has been dismissed, underlying modification application
SES-MFS-20110330-00384 has been granted.

For more information concerning this Notice, contact the Satellite Division at 418-0719; TTY 202-418-2555.