



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-00629

Wednesday August 4, 2004

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-20040524-00705 E WB36 Telenor Satellite, Inc.
Amendment
Grant of Authority Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

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

SITE ID: SOUTHURY
LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHURY, CT
41 ° 27 ' 5.00 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID:	21-C-NORM	12.8 meters	PHILCO FORD	12.8M
	6454.4000 - 6456.6000 MHz	2M20G1D	80.70 dBW	BPSK SPREAD SPECTRUM DATA (NAVIGATION)
	6424.0000 - 6454.0000 MHz	NON	62.00 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
	6424.0000 - 6454.0000 MHz	34K0F3E	62.00 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
	6424.0000 - 6454.0000 MHz	2K40G7D-	51.10 dBW	BPSK, DATA/TDM
	6424.0000 - 6454.0000 MHz	132KG7D	62.00 dBW	BPSK, DATA/TDM
	6424.0000 - 6454.0000 MHz	2K40G1D-	51.10 dBW	BPSK, DATA
	6424.0000 - 6454.0000 MHz	2M20G1D	62.00 dBW	BPSK, DATA
	6424.0000 - 6454.0000 MHz	5K60G1W	54.80 dBW	QPSK, DATA/FAX

6424.0000 - 6454.0000 MHz	24K0G1W	61.10 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	5K60G1E-	54.80 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	24K0G1E	61.10 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	40K0G1W	63.30 dBW	16QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	400KG1F	62.00 dBW	QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	27K0F3W	62.00 dBW	FM9 ANALOG BROADCAST CARRIER
5927.0000 - 5927.0000 MHz	NON	53.30 dBW	TT&C RANGING CARRIER
3947.0000 - 3953.0000 MHz	131KG2D		PCM/PSK/BI-PHASE TRACKING BEACON
3947.0000 - 3953.0000 MHz	131KG2D		PCM/PSK/BI-PHASE TRACKING BEACON
3700.0000 - 4200.0000 MHz	36M0F8W		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3700.0000 - 4200.0000 MHz	36M0F8W		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3600.0000 - 3629.0000 MHz	NON		UNMODULATED AFC PILOT (CLOSE LOOP)
3600.0000 - 3629.0000 MHz	34K0F3E		FM TELEPHONY COMPANDED AND UNCOMPANDED
3600.0000 - 3629.0000 MHz	2K40G7D-		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	132KG7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2K40G1D-		BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK, DATA
3600.0000 - 3629.0000 MHz	5K60G1W-		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1E-		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E		QPSK, TELEPHONY

3600.0000 - 3629.0000 MHz	40K0G1W		16QAM, DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	400KG1F		QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK SPREAD SPECTRUM DATA - NAVIGATION CLOSE LOOP
ANTENNA ID: 21-C-TT&C	12.8 meters	PHILCO FORD	12.8M
5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW	ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
ANTENNA ID: 21- L-BAND	12.8 meters	PHILCO FORD	12.8M
1626.5000 - 1660.5000 MHz	NON	40.50 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
1626.5000 - 1660.5000 MHz	34K0F3E	36.00 dBW	TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED
1626.5000 - 1660.5000 MHz	2K40G7D-	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	132KG7D	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	2K40G1D-	36.00 dBW	TEST BPSK, DATA
1626.5000 - 1660.5000 MHz	2M20G1D	36.00 dBW	TEST BPSK, DATA
1626.5000 - 1660.5000 MHz	5K60G1W-	36.00 dBW	TEST QPSK, DATA/FAX
1626.5000 - 1660.5000 MHz	2K40G1W	36.00 dBW	TEST QPSK, DATA/FAX
1626.5000 - 1660.5000 MHz	5K60G1E-	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	24K0G1E	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	40K0G1W	48.20 dBW	TEST 16QAM DIGITAL TELEPHONY
1626.5000 - 1660.5000 MHz	400KG1F	36.00 dBW	TEST QPSK DIGITAL VIDEO/DATA
1574.4000 - 1576.6000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
1525.0000 - 1559.0000 MHz	NON		UNMODULATED AFC PILOT (CLOSE LOOP)
1525.0000 - 1559.0000 MHz	34K0F3E		TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED

1525.0000 - 1559.0000 MHz	2K40G7D-	TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	132KG7D	TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2K40G1D-	TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D	TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	5K60G1W-	TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	2K40G1W	TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	5K60G1E-	TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E	TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	40K0G1W	TEST 16QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F	TEST QPSK DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	2M20G1D	TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP

ANTENNA ID: 23A-C-NOR 10.4 meters PHILCO FORD 10.4M

6454.4000 - 6456.6000 MHz	2M20G1D	73.50 dBW	BPSK SPREAD SPECTRUM DATA (NAVIGATION)
6424.0000 - 6454.0000 MHz	NON	59.50 dBW	UNMODULATED AFC PILOT
6424.0000 - 6454.0000 MHz	34K0F3E	59.50 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
6424.0000 - 6454.0000 MHz	2K40G7D-	48.60 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	132KG7D	59.50 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	2K40G1D-	48.60 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	2M20G1D	71.70 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	5K60G1W-	52.30 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	24K0G1W	58.60 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	5K60G1E-	52.30 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	24K0G1E	58.60 dBW	QPSK, TELEPHONY

6424.0000 - 6454.0000 MHz	40K0G1W	60.80 dBW	16QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	400KG1F	59.50 dBW	QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	27K0F3W	59.50 dBW	FM9 ANALOG BROADCAST CARRIER
5927.0000 - 5927.0000 MHz	NON	50.80 dBW	TT&C RANGING CARRIER
3947.0000 - 3953.0000 MHz	131KG2D		PCM/PSK/BI-PHASE TRACKING BEACON
3700.0000 - 4200.0000 MHz	36M0F8W		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3600.0000 - 3629.0000 MHz	NON		UNMODULATED AFC PILOT
3600.0000 - 3629.0000 MHz	34K0F3E		FM TELEPHONY COMPANDED ANAD UNCOMPANDED
3600.0000 - 3629.0000 MHz	2K40G7D-		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	132KG7D		BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2K40G1D-		BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK, DATA
3600.0000 - 3629.0000 MHz	5K60G1W-		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1W		QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1E-		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E		QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	40K0G1W		16QAM DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	400KG1F		QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	2M20G1D		BPSK SPREAD SPECTRUM DATA (NAVIGATION)
ANTENNA ID: 23A-C-TT&C	10.4 meters	PHILCO FORD	104.M
5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW	TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
ANTENNA ID: 23B-L-BAND	1.8 meters	TRUE FOCUS	1.8M

1626.5000 - 1660.5000 MHz	NON	27.20 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
1574.4000 - 1576.6000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
1525.0000 - 1559.0000 MHz	NON		UNMODULATED AFC PILOT
1525.0000 - 1559.0000 MHz	34K0F3E		TEST FM TELEPHONY COMPANDED AND UNCOMPANDED
1525.0000 - 1559.0000 MHz	2K40G7D-		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	132KG7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2K40G1D-		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	5K60G1W-		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	24K0G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	5K60G1E-		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	40K0G1W		TEST 16QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F		TEST QPSK, DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
ANTENNA ID: KU-BAND	9 meters	VERTEX	9KPK
11450.0000 - 11700.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	36M0G7W	80.41 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	42M0G7W	86.31 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	72M0G7W		QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	42M0G7W		QPSK DIGITAL DATA

14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
11450.0000 - 11700.0000 MHz	36M0F8W		ANALOG VIDEO
14000.0000 - 14500.0000 MHz	36M0G7W	85.64 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	36M0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	20M0G7W	83.08 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	20M0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	73.67 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	2M29G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	1M60G1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	800KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	400KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	200KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	100KG7W	60.07 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	100KG7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	76K8G7W	58.93 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	76K8G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	43K8G7W	56.49 dBW	QPSK DIGITAL DATA
114500.000 - 11700.0000 MHz	43K8G7W		QPSK DIGITAL DATA

14000.0000 - 14500.0000 MHz	45K0G7W	56.61 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	45K0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	32K0G7W	55.13 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	32K0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	9K00G7W		QPSK DIGITAL DATA

Points of Communication:

SOUTHBURY - AMOS-2 - (4.0 W.L.)

SES-AMD-20040618-00849 E E040241 MINNESOTA PUBLIC RADIO
Amendment

Grant of Authority

Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: PASADENA CITY COLLEGE (KPCC) 1570 E. Colorado Blvd., LOS ANGELES, PASADENA, CA
34 ° 8 ' 42.00 " N LAT. 118 ° 7 ' 0.00 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 METER PF

3700.0000 - 4200.0000 MHz	10M3G7W	DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz	30K0F1D	DIGITAL AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040310-00359 E E040139 QUALCOMM Incorporated
Application for Authority

08/03/2004 - 08/03/2019

Grant of Authority

Date Effective: 08/03/2004

Class of Station: Blanket Earth Stations

Nature of Service: Domestic Mobile-Satellite Service

This Application is for higher powered Mobile Earth Station (MES) to operate with the OmniTRACS system in Alaska, Canada & Hawaii. These MES are technically identical to those MES operating in the contiguous United States, with the exception that the eirp is 3dB higher.

SITE ID: 1
LOCATION: 5445 MOREHOUSE DRIVE (VSAT .08M.) 20000 UNITS, CONUS, AK, HI, PR

ANTENNA ID: REMOTE 2	0.08 meters	QUALCOMM	50-2155-1
14000.0000 - 14500.0000 MHz	48M0F1D	23.00 dBW	OMNITRACS RETURN LINKS
14000.0000 - 14500.0000 MHz	15M0F1D	23.00 dBW	OMNITRACS RETURN LINKS
11700.0000 - 12200.0000 MHz	2M05G7D		OMNITRACS-2 FORWARD LINK
11700.0000 - 12200.0000 MHz	2M00G1D		OMNITRACS FORWARD LINK (MODE B)

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040426-00589 E E040194 Northrop Grumman Systems Corporation
Application for Authority 08/02/2004 - 08/02/2019
Grant of Authority Date Effective: 08/02/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1	2.4 meters	VertexRSI	2.4 SF LT
14000.0000 - 14500.0000 MHz	1M93G7W	33.60 dBW	QPSK 1/2 Rate Digital Data (1.544 Mbs)
11700.0000 - 12200.0000 MHz	1M93G7W		QPSK 1/2 Rate Digital Data (1.544 Mbs)

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040503-00634 E E940128 AUTOZONE, INC.
Application for Authority 08/03/2004 - 08/03/2019
Grant of Authority Date Effective: 08/03/2004

Class of Station: VSAT Network

Nature of Service: Domestic Fixed Satellite Service

A Reinstatement of an Expired Ku-band Hub/VSAT Network System consisting of (i) one 6.1 meter remote hub antenna; (ii) 4500 1.0 meter remote antennas; (iii) 2000 1.2 meter remote antennas; and (iv) 300 1.8 meter remote antennas.

SITE ID: HUB

LOCATION: 123 SOUTH FRONT STREET DEPT. 8035, (6.1M.), SHELBY, MEMPHIS, TN

35 ° 8 ' 31.00 " N LAT.

90 ° 3 ' 19.90 " W LONG.

ANTENNA ID:	HUB1	6.1 meters	VERTEX	6.1 KPK
	14000.0000 - 14500.0000 MHz	1M60G7D	65.30 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
	14000.0000 - 14500.0000 MHz	6M20G7D	71.20 dBW	QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
	11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER

SITE ID: REMOTE 1

LOCATION: VSAT 1.0M., (4500 UNITS), CONUS, AK, HI

ANTENNA ID:	REMOTE1	1 meters	PRODELIN	1102
	14000.0000 - 14500.0000 MHz	400KG7D	44.60 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
	11700.0000 - 12200.0000 MHz	6M20G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
	11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER

SITE ID: REMOTE 2

LOCATION: VSAT 1.2M., (2000 UNITS), CONUS, AK, HI

ANTENNA ID:	REMOTE2	1.2 meters	PRODELIN	1134
	14000.0000 - 14500.0000 MHz	400KG7D	46.10 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
	11700.0000 - 12200.0000 MHz	6M20G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
	11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER

SITE ID: REMOTE 3

LOCATION: VSAT 1.8M., (300 UNITS), CONUS, AK, HI

ANTENNA ID: REMOTE3	1.8 meters	PRODELIN	1184
14000.0000 - 14500.0000 MHz	400KG7D	49.70 dBW	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
11700.0000 - 12200.0000 MHz	6M20G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER

Points of Communication:

HUB - ALSAT - (ALSAT)

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 3 - ALSAT - (ALSAT)

SES-LIC-20040528-00742 E E040250 WGBO LICENSE PARTNERSHIP, G.P.
 Application for Authority 08/03/2004 - 08/03/2019
 Grant of Authority Date Effective: 08/03/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 541 North Fairbanks Ct. Suite 1100, VARIOUS

ANTENNA ID: UNIT 53	1.5 meters	ADVENT	NEWSWIFT 150KMA
14000.0000 - 14500.0000 MHz	36M0G7W	45.70 dBW	ONE 36 MBIT MCPC DIGITAL CARRIER FOR VOICE/DATA WITH AN EMISSION DESIGNATOR OF 36M0G7W.
11700.0000 - 12200.0000 MHz	36M0G7W		ONE 36 MBIT MCPC DIGITAL CARRIER FOR VOICE/DATA WITH AN EMISSION DESIGNATOR OF 36M0G7W.

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040609-00811 E E040265 SG MUSIC AND MEDIA, LLC

Application for Authority

08/02/2004 - 08/02/2019

Grant of Authority

Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 56 Walker Street, Manhattan, New York, NY

40 ° 43 ' 12.40 " N LAT.

74 ° 0 ' 19.70 " W LONG.

ANTENNA ID: 1	2.4 meters	Comtech Antenna	Parabolic
14000.0000 - 14500.0000 MHz	5M00G7D	68.00 dBW	OPSK, 1/2, 2/3, 5/6, 3/4, 7/8
11700.0000 - 12200.0000 MHz	5M00G7D		OPKS, 1/2, 2/3, 5/6, 3/4, 7/8

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040609-00814 E E040266 WFTV-TV Holdings, Inc.

Application for Authority

08/02/2004 - 08/02/2019

Grant of Authority

Date Effective: 08/02/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 490 E. SOUTH STREET ORLANDO, FL 32801, ORANGE, VARIOUS, FL

ANTENNA ID: 1	1.5 meters	ADVENT COMMUNICATIONS	NewsSwift
14000.0000 - 14500.0000 MHz	36M0G7W	66.66 dBW	ONE 36 MBIT MCPC DIGITAL CARRIER FOR VOICE/DATA WITH AN EMISSION DESIGNATOR OF 36M0G7W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040615-00833 E E040269 DCI II, INC.

Application for Authority

08/03/2004 - 08/03/2019

Grant of Authority

Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 2000 M. STREET NW, WASHINGTON, DC
38 ° 54 ' 19.30 " N LAT. 77 ° 2 ' 42.60 " W LONG.

ANTENNA ID: 3.8M.	3.8 meters	PRODELIN	1383
14000.0000 - 14500.0000 MHz	36M0F3F	76.30 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	24M0F3F	76.30 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	7M70G7F	70.30 dBW	COMPRESSED DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	16M0G7F	73.30 dBW	COMPRESSED DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	16M0G7F		COMPRESSED DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	7M70G7F		COMPRESSED DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	24M0F3F		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	36M0F3F		ANALOG VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040621-00851 E E040275 NBC TELEMUNDO LICENSE CO.
Application for Authority 08/02/2004 - 08/02/2019
Grant of Authority Date Effective: 08/02/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 3165 OLENTANGY RIVER ROAD(WCMH-TV) COLUMBUS, OH 43202, FRANKLIN, VARIOUS

ANTENNA ID: 1	1.5 meters	Vertex	Model 1.5 SMK
14000.0000 - 14500.0000 MHz	36M0G7W	68.45 dBW	One 36 Mbit MCPC digital carrier for voice/data with an emission designator of 36M0G7W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040624-00875 E E040283 Peak Uplink, Inc

Application for Authority

08/02/2004 - 08/02/2019

Grant of Authority

Date Effective: 08/02/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: various, various, various

ANTENNA ID: 1	1.8 meters	AVL Technologies	SNG
14000.0000 - 14500.0000 MHz	36M0F3F	71.60 dBW	Standard Video with Analog Subcarriers
11700.0000 - 12200.0000 MHz	36M0F3F		Standard Video with Analog Subcarriers
14000.0000 - 14500.0000 MHz	36M0G7W	71.60 dBW	Digital traffic, various combinations of FEC, data rates, modulation and information
11700.0000 - 12200.0000 MHz	36M0G7W		Digital traffic, various combinations of FEC, data rates, modulation and information
14000.0000 - 14500.0000 MHz	51K2G7W	43.20 dBW	Digital traffic, various combinations of FEC, data rates, modulation and information
11700.0000 - 12200.0000 MHz	51K2G7W		Digital traffic, various combinations of FEC, data rates, modulation and information

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20031119-01678 E WB36 Telenor Satellite, Inc.

Application for Modification

10/22/2001 - 10/22/2011

Grant of Authority

Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service, Domestic Mobile-Satellite Service, Feeder Link for Mobile Satellite Service, International Fixed Satellite Service, International Mobile Satellite Service

On August 2, 2004, the Satellite Division granted with conditions Telenor Satellite, Inc.'s ("Telenor") application, File Nos SES-MOD-20031119-01678, SES-AMD-20040524-00705 to modify its earth station license, WB36, to add the AMOS-2 Satellite located at 4 degrees W. L. as a point of communication in the 11.45-11.70 GHz frequency band (space-to-Earth) subject to the following conditions:

- (1) Operation in the 11.45-11.7 GHz band is permitted only with the AMOS-2 satellite at 4 degrees West Longitude, and only for international service from foreign points, in accordance with the technical parameters contained contained in the WB36 license; and
- (2) WB36 is not authorized to use AMOS-2 to provide any Direct-to-Home (DTH) service, Direct Broadcast Satellite (DBS) service, or Digital Audio Radio Service (DARS) to, from, or within the United States.

SITE ID: SOUTHBURY

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 5.00 " N LAT.

73 ° 17 ' 19.00 " W LONG.

ANTENNA ID:	21-C-NORM	12.8 meters	PHILCO FORD	12.8M
	6454.4000 - 6456.6000 MHz	2M20G1D	80.70 dBW	BPSK SPREAD SPECTRUM DATA (NAVIGATION)
	6424.0000 - 6454.0000 MHz	NON	62.00 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
	6424.0000 - 6454.0000 MHz	34K0F3E	62.00 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
	6424.0000 - 6454.0000 MHz	2K40G7D-	51.10 dBW	BPSK, DATA/TDM
	6424.0000 - 6454.0000 MHz	132KG7D	62.00 dBW	BPSK, DATA/TDM
	6424.0000 - 6454.0000 MHz	2K40G1D-	51.10 dBW	BPSK, DATA
	6424.0000 - 6454.0000 MHz	2M20G1D	62.00 dBW	BPSK, DATA
	6424.0000 - 6454.0000 MHz	5K60G1W	54.80 dBW	QPSK, DATA/FAX
	6424.0000 - 6454.0000 MHz	24K0G1W	61.10 dBW	QPSK, DATA/FAX
	6424.0000 - 6454.0000 MHz	5K60G1E-	54.80 dBW	QPSK, TELEPHONY
	6424.0000 - 6454.0000 MHz	24K0G1E	61.10 dBW	QPSK, TELEPHONY
	6424.0000 - 6454.0000 MHz	40K0G1W	63.30 dBW	16QAM DIGITAL TELEPHONY
	6424.0000 - 6454.0000 MHz	400KG1F	62.00 dBW	QPSK, DIGITAL VIDEO/DATA
	6424.0000 - 6454.0000 MHz	27K0F3W	62.00 dBW	FM9 ANALOG BROADCAST CARRIER
	5927.0000 - 5927.0000 MHz	NON	53.30 dBW	TT&C RANGING CARRIER
	3947.0000 - 3953.0000 MHz	131KG2D		PCM/PSK/BI-PHASE TRACKING BEACON

3947.0000 - 3953.0000 MHz	131KG2D			PCM/PSK/BI-PHASE TRACKING BEACON
3700.0000 - 4200.0000 MHz	36M0F8W			TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3700.0000 - 4200.0000 MHz	36M0F8W			TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3600.0000 - 3629.0000 MHz	NON			UNMODULATED AFC PILOT (CLOSE LOOP)
3600.0000 - 3629.0000 MHz	34K0F3E			FM TELEPHONY COMPANDED AND UNCOMPANDED
3600.0000 - 3629.0000 MHz	2K40G7D-			BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	132KG7D			BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2K40G1D-			BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D			BPSK, DATA
3600.0000 - 3629.0000 MHz	5K60G1W-			QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1W			QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1E-			QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E			QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	40K0G1W			16QAM, DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	400KG1F			QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	2M20G1D			BPSK SPREAD SPECTRUM DATA - NAVIGATION CLOSE LOOP
ANTENNA ID: 21-C-TT&C	12.8 meters	PHILCO FORD		12.8M
5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW		ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
ANTENNA ID: 21- L-BAND	12.8 meters	PHILCO FORD		12.8M
1626.5000 - 1660.5000 MHz	NON	40.50 dBW		UNMODULATED AFC PILOT (CLOSE LOOP)

1626.5000 - 1660.5000 MHz	34K0F3E	36.00 dBW	TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED
1626.5000 - 1660.5000 MHz	2K40G7D-	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	132KG7D	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	2K40G1D-	36.00 dBW	TEST BPSK, DATA
1626.5000 - 1660.5000 MHz	2M20G1D	36.00 dBW	TEST BPSK, DATA
1626.5000 - 1660.5000 MHz	5K60G1W-	36.00 dBW	TEST QPSK, DATA/FAX
1626.5000 - 1660.5000 MHz	2K40G1W	36.00 dBW	TEST QPSK, DATA/FAX
1626.5000 - 1660.5000 MHz	5K60G1E-	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	24K0G1E	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	40K0G1W	48.20 dBW	TEST 16QAM DIGITAL TELEPHONY
1626.5000 - 1660.5000 MHz	400KG1F	36.00 dBW	TEST QPSK DIGITAL VIDEO/DATA
1574.4000 - 1576.6000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
1525.0000 - 1559.0000 MHz	NON		UNMODULATED AFC PILOT (CLOSE LOOP)
1525.0000 - 1559.0000 MHz	34K0F3E		TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED
1525.0000 - 1559.0000 MHz	2K40G7D-		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	132KG7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2K40G1D-		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	5K60G1W-		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	2K40G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	5K60G1E-		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E		TEST QPSK, TELEPHONY

1525.0000 - 1559.0000 MHz	40K0G1W			TEST 16QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F			TEST QPSK DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	2M20G1D			TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
ANTENNA ID: 23A-C-NOR	10.4 meters	PHILCO FORD		10.4M
6454.4000 - 6456.6000 MHz	2M20G1D	73.50 dBW		BPSK SPREAD SPECTRUM DATA (NAVIGATION)
6424.0000 - 6454.0000 MHz	NON	59.50 dBW		UNMODULATED AFC PILOT
6424.0000 - 6454.0000 MHz	34K0F3E	59.50 dBW		FM TELEPHONY COMPANDED AND UNCOMPANDED
6424.0000 - 6454.0000 MHz	2K40G7D-	48.60 dBW		BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	132KG7D	59.50 dBW		BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	2K40G1D-	48.60 dBW		BPSK, DATA
6424.0000 - 6454.0000 MHz	2M20G1D	71.70 dBW		BPSK, DATA
6424.0000 - 6454.0000 MHz	5K60G1W-	52.30 dBW		QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	24K0G1W	58.60 dBW		QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	5K60G1E-	52.30 dBW		QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	24K0G1E	58.60 dBW		QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	40K0G1W	60.80 dBW		16QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	400KG1F	59.50 dBW		QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	27K0F3W	59.50 dBW		FM9 ANALOG BROADCAST CARRIER
5927.0000 - 5927.0000 MHz	NON	50.80 dBW		TT&C RANGING CARRIER
3947.0000 - 3953.0000 MHz	131KG2D			PCM/PSK/BI-PHASE TRACKING BEACON
3700.0000 - 4200.0000 MHz	36M0F8W			TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE

3600.0000 - 3629.0000 MHz	NON			UNMODULATED AFC PILOT
3600.0000 - 3629.0000 MHz	34K0F3E			FM TELEPHONY COMPANDED ANAD UNCOMPANDED
3600.0000 - 3629.0000 MHz	2K40G7D-			BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	132KG7D			BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2K40G1D-			BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D			BPSK, DATA
3600.0000 - 3629.0000 MHz	5K60G1W-			QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1W			QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1E-			QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E			QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	40K0G1W			16QAM DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	400KG1F			QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	2M20G1D			BPSK SPREAD SPECTRUM DATA (NAVIGATION)
ANTENNA ID: 23A-C-TT&C	10.4 meters	PHILCO FORD		104.M
5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
ANTENNA ID: 23B-L-BAND	1.8 meters	TRUE FOCUS		1.8M
1626.5000 - 1660.5000 MHz	NON	27.20 dBW		UNMODULATED AFC PILOT (CLOSE LOOP)
1574.4000 - 1576.6000 MHz	2M20G1D			TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
1525.0000 - 1559.0000 MHz	NON			UNMODULATED AFC PILOT
1525.0000 - 1559.0000 MHz	34K0F3E			TEST FM TELEPHONY COMPANDED AND UNCOMPANDED
1525.0000 - 1559.0000 MHz	2K40G7D-			TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	132KG7D			TEST BPSK, DATA/TDM

1525.0000 - 1559.0000 MHz	2K40G1D-		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	5K60G1W-		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	24K0G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	5K60G1E-		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	40K0G1W		TEST 16QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F		TEST QPSK, DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
ANTENNA ID: KU-BAND	9 meters	VERTEX	9KPK
14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY
11450.0000 - 11700.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	42M0G7W	86.31 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	72M0G7W		QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	42M0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
11450.0000 - 11700.0000 MHz	36M0F8W		ANALOG VIDEO
14000.0000 - 14500.0000 MHz	36M0G7W	77.23 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	36M0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	20M0G7W	83.08 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	20M0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	73.67 dBW	QPSK DIGITAL DATA

11450.0000 - 11700.0000 MHz	2M29G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	1M60G1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	800KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	400KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	200KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	100KG7W	60.07 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	100KG7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	76K8G7W	58.93 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	76K8G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	43K8G7W	56.49 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	43K8G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	45K0G7W	56.61 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	45K0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	32K0G7W	55.13 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	32K0G7W		QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	9K00G7W		QPSK DIGITAL DATA

Points of Communication:

SOUTHBURY - ALSAT - (ALSAT)

SOUTHBURY - AMOS-2 - (4.0 W.L.)

SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.)

SOUTHBURY - INMARSAT Ltd-3 - (54 W.L.)

SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.)

SOUTHBURY - MARISAT-F2 - (33.9 W.L.)

SES-MOD-20040206-00196 E E880423 QUALCOMM Incorporated

Application for Modification

02/14/1999 - 02/14/2009

Grant of Authority

Date Effective: 08/03/2004

Class of Station: Blanket Earth Stations

Nature of Service: Domestic Mobile-Satellite Service

"MOD" to Modify Mobile Earth Station to add a Circularly Polarized Antenna (Call Sign E880423), United States of America (to include Alaska & Hawaii), Puerto Rico and Canada.

SITE ID: REMOTE 1

LOCATION: VSAT 0.8M. U.S. AK HI PR CANADA, CONUS, 400,600 UNITS

ANTENNA ID:	REMOTE 1	0.08 meters	QUALCOMM INCORPORATED	10-J5226-1
14000.0000 - 14500.0000 MHz	48M0F1D	20.00 dBW	FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM	
14000.0000 - 14500.0000 MHz	36M0F1D	20.00 dBW	FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM	
11700.0000 - 12200.0000 MHz	2M00G1D	OMNITRACS FORWARD LINK DATA (MODE B)		
11700.0000 - 12200.0000 MHz	36M0F1D	FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM		
14000.0000 - 14500.0000 MHz	48M0F1D	20.00 dBW	FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM	
11700.0000 - 12200.0000 MHz	2M50G7D	OMNI-2 FORWARD LINK DATA (QPSK)		
11700.0000 - 12200.0000 MHz	2M00G1D	OMNITRACS FORWARD LINK DATA (MODE B)		

Points of Communication:

REMOTE 1 - ALSAT - (ALSAT)

SES-MOD-20040210-00205 E E010274 VIASAT, INC.

Application for Modification

12/11/2001 - 12/11/2011

Grant of Authority

Date Effective: 08/03/2004

Class of Station: VSAT Network

Nature of Service: Domestic Fixed Satellite Service

"MOD" to add Multiple Hub and Remote Antennas, new emission designator, change emission designator, and increase EIRP and EIRP density to its' existing VSAT Network System. Also for The Points of Communication for Antennae(s) 0.96 Meter, 0.98 Meter, and 1.0 Meter will be operating with satellite IA-7 at 129 degrees West Longitude.

SITE ID: ALT

LOCATION: 4311 COMMUNICATIONS DRIVE 6.1 M. HUB A), GWINNETT, NORCROSS, GA
33 ° 56 ' 19.00 " N LAT. 84 ° 8 ' 9.00 " W LONG.

ANTENNA ID:	ATL-A	6.1 meters	SCIENTIFIC ATLANTA	8060K
	14000.0000 - 14500.0000 MHz	128KG7D	45.00 dBW	BPSK, DATA
	14000.0000 - 14500.0000 MHz	256KG7D	48.00 dBW	BPSK, DATA
	14000.0000 - 14500.0000 MHz	1M50G7D	56.00 dBW	QPSK, DATA
	14000.0000 - 14500.0000 MHz	3M00G7D	59.00 dBW	QPSK, DATA
	11700.0000 - 12200.0000 MHz	128KG7D		BPSK, DATA
	11700.0000 - 12200.0000 MHz	128KG7D		QPSK, DATA
	14000.0000 - 14500.0000 MHz	24M0G7D	77.62 dBW	QPSK, DATA
	11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
	11700.0000 - 12200.0000 MHz	1M00G7D		QPSK, DATA

SITE ID: ATL-B

LOCATION: 4311 COMMUNICATIONS DRIVE (6.1 M. HUB B), GWINNETT, NORCROSS, GA
33 ° 56 ' 19.00 " N LAT. 84 ° 8 ' 9.00 " W LONG.

ANTENNA ID:	ATL-B	6.1 meters	SCIENTIFIC ATLANTA	8060K
	14000.0000 - 14500.0000 MHz	128KG7D	59.00 dBW	BPSK, DATA
	14000.0000 - 14500.0000 MHz	256KG7D	48.00 dBW	BPSK, DATA
	14000.0000 - 14500.0000 MHz	1M50G7D	56.00 dBW	QPSK, DATA

14000.0000 - 14500.0000 MHz	3M00G7D	59.00 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	128KG7D		BPSK, DATA
11700.0000 - 12200.0000 MHz	128KG7D		BPSK, DATA
14000.0000 - 14500.0000 MHz	24M0G7D	77.62 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	1M00G7D		QPSK, DATA

SITE ID: REMOTE 1
LOCATION: 1.2 M. VSAT (300 UNITS), CONUS, AK, HI

ANTENNA ID: 1A	1.2 meters	PRODELIN	SERIES 11811.2M
14000.0000 - 14500.0000 MHz	128KG7D	41.00 dBW	BPSK, DATA
11700.0000 - 12200.0000 MHz	128KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	1M50G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	3M00G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	128KG7D		BPSK, DATA

SITE ID: REMOTE 2
LOCATION: 1.8 M. VSAT (1200 UNITS), CONUS, AK, HI

ANTENNA ID: 2A	1.8 meters	PRODELIN	SERIES 11811.8M
14000.0000 - 14500.0000 MHz	128KG7D	44.50 dBW	BPSK, DATA
11700.0000 - 12200.0000 MHz	128KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	1M50G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	3M00G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	128KG7D		BPSK, DATA
14000.0000 - 14500.0000 MHz	1M00G7D	52.50 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA

SITE ID: REMOTE 3
LOCATION: 2.4 M. VSAT (100 UNITS), CONUS, AK, HI

ANTENNA ID:	3A	2.4 meters	PRODELIN	SERIES 11812.4
	14000.0000 - 14500.0000 MHz		128KG7D 47.00 dBW	BPSK, DATA
	11700.0000 - 12200.0000 MHz		128KG7D	QPSK, DATA
	11700.0000 - 12200.0000 MHz		1M50G7D	QPSK, DATA
	11700.0000 - 12200.0000 MHz		3M00G7D	QPSK, DATA
	11700.0000 - 12200.0000 MHz		128KG7D	BPSK, DATA
	14000.0000 - 14500.0000 MHz		1M00G7D 55.20 dBW	QPSK, DATA
	11700.0000 - 12200.0000 MHz		24M0G7D	QPSK, DATA

SITE ID: ATL HUB-1
LOCATION: 4311 COMMUNICATIONS DR. (1.2 M. HUB-1), GWINNETT, NORCROSS, GA
33 ° 56 ' 19.00 " N LAT. 84 ° 8 ' 9.00 " W LONG.

ANTENNA ID:	1AT	1.2 meters	PRODELIN	SERIES
	14000.0000 - 14500.0000 MHz		1M00G7D 49.00 dBW	QPSK, DATA
	11700.0000 - 12200.0000 MHz		24M0G7D	QPSK, DATA

ANTENNA ID:	ATL-A	6.1 meters	VIASAT, INC.	8060K
ANTENNA ID:	ATL-B	6.1 meters	VIASAT, INC.	8060K

SITE ID: CBD HUB-2
LOCATION: 6155 EL CAMINO REAL (4.5 M. HUB-2), SAN DIEGO, CARLSBAD, CA
33 ° 7 ' 35.00 " N LAT. 117 ° 16 ' 0.00 " W LONG.

ANTENNA ID:	CBD-A	4.5 meters	VIASAT	8345
	14000.0000 - 14500.0000 MHz		24M0G7D 77.62 dBW	QPSK, DATA
	11700.0000 - 12200.0000 MHz		24M0G7D	QPSK, DATA
	11700.0000 - 12200.0000 MHz		1M00G7D	QPSK, DATA

SITE ID: REMOTE 1A
LOCATION: (1.2 M. VSAT) 5000 UNITS, CONUS, AK HI U.S.VI

ANTENNA ID:	1A	1.2 meters	PRODELIN	SERIES
	14000.0000 - 14500.0000 MHz		1M00G7D 49.00 dBW	QPSK, DATA

11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 1B	1.2 meters	CHANNEL MASTER	TYPE 123
14000.0000 - 14500.0000 MHz	800KG7D	46.30 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 1C	1.2 meters	PATRIOT	TXINT-120KU
14000.0000 - 14500.0000 MHz	800KG7D	46.40 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 1D	1.2 meters	PRODELIN	1134-990
14000.0000 - 14500.0000 MHz	800KG7D	46.00 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 1E	1.2 meters	SEA TEL	4996T
14000.0000 - 14500.0000 MHz	400KG7D	45.50 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 1F	1.2 meters	CHANNEL MASTER	TYPE 123
14000.0000 - 14500.0000 MHz	800KG7D	49.30 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 1G	1.2 meters	PATRIOT	TXINT-120KU
14000.0000 - 14500.0000 MHz	800KG7D	49.40 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 1H	1.2 meters	PRODELIN	1134-990
14000.0000 - 14500.0000 MHz	800KG7D	49.00 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 1J	1.2 meters	SEA TEL	4996T
14000.0000 - 14500.0000 MHz	400KG7D	48.30 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA

SITE ID: REMOTE 2A
LOCATION: (1.8 M. VSAT) 2000 UNITS, CONUS, AK HI U.S.VI

ANTENNA ID: 2A	1.8 meters	PRODELIN	SERIES
ANTENNA ID: 2B	1.8 meters	CHANNEL MASTER	TYPE 183
14000.0000 - 14500.0000 MHz	800KG7D	49.80 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 2C	1.8 meters	PATRIOT	TXINT-180KU
14000.0000 - 14500.0000 MHz	800KG7D	50.00 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 2D	1.8 meters	PRODELIN	1184-500
14000.0000 - 14500.0000 MHz	800KG7D	49.50 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 2F	1.8 meters	CHANNEL MASTER	TYPE 183
14000.0000 - 14500.0000 MHz	800KG7D	52.80 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 2G	1.8 meters	PATRIOT	TXINT-180KU
14000.0000 - 14500.0000 MHz	800KG7D	53.00 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 2H	1.8 meters	PRODELIN	1184-500
14000.0000 - 14500.0000 MHz	800KG7D	52.50 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA

SITE ID: REMOTE 3A
LOCATION: (2.4 M. VSAT) 1000 UNITS, CONUS, AK HI U.S.VI

ANTENNA ID: 3A	2.4 meters	PRODELIN	SERIES
ANTENNA ID: 3B	2.4 meters	CHANNEL MASTER	TYPE 243
14000.0000 - 14500.0000 MHz	800KG7D	55.30 dBW	QPSK, DATA

11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 3C	2.4 meters	PATRIOT	TXINT-240KU
14000.0000 - 14500.0000 MHz	800KG7D	54.70 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 3D	2.4 meters	PRODELIN	1244-930
14000.0000 - 14500.0000 MHz	800KG7D	55.20 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 3E	2.4 meters	SEA TEL	9997
14000.0000 - 14500.0000 MHz	800KG7D	54.90 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
SITE ID: REMOTE 4A			
LOCATION: (0.96 M. VSAT) 2000 UNITS, CONUS, AK HI U.S.VI			
ANTENNA ID: 4A	0.96 meters	CHANNEL MASTER	TYPE 960
14000.0000 - 14500.0000 MHz	400KG7D	44.20 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 4B	1 meters	PATRIOT	TXINT-100KU
14000.0000 - 14500.0000 MHz	400KG7D	45.40 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 4C	0.98 meters	PRODELIN	1981
14000.0000 - 14500.0000 MHz	400KG7D	44.30 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA
ANTENNA ID: 4D	1 meters	SEA TEL	4003
14000.0000 - 14500.0000 MHz	400KG7D	45.80 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA

Points of Communication:

ALT - ALSAT - (ALSAT)

ATL HUB-1 - ALSAT - (ALSAT)

ATL-B - ALSAT - (ALSAT)

CBD HUB-2 - ALSAT - (ALSAT)

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 1A - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 2A - ALSAT - (ALSAT)

REMOTE 3 - ALSAT - (ALSAT)

REMOTE 3A - ALSAT - (ALSAT)

REMOTE 4A - ALSAT - (ALSAT)

SES-MOD-20040609-00863 P E950404 WEAR Licensee, LLC

Application for Modification

08/25/1995 - 08/25/2005

Grant of Authority

Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 4990 MOBILE HIGHWAY, ESCAMBIA, PENSACOLA, FL

30 ° 26 ' 43.00 " N LAT.

87 ° 17 ' 1.00 " W LONG.

ANTENNA ID: 1

4.6 meters

ANDREW CORP.

ESA 46-124

14000.0000 - 14500.0000 MHz

36M0F3F

72.40 dBW

FM VIDEO, AUDIO, VOICE, AND
ASSOCIATED SIGNALS

11700.0000 - 12200.0000 MHz

36M0F3F

14000.0000 - 14500.0000 MHz

36M0G7W

72.40 dBW

QPSK, DIGITAL VIDEO, AUDIO
VOICE AND DATA

11700.0000 - 12200.0000 MHz

36M0G7W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20040615-00837 E E940271 QVC Local, Inc.

Application for Modification

06/24/2004 - 06/24/2019

Grant of Authority

Date Effective: 08/02/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: VARIOUS

ANTENNA ID: 1	2.4 meters	VERTEX	2.4 DMK
14000.0000 - 14500.0000 MHz	36M0F8W	74.20 dBW	
14000.0000 - 14500.0000 MHz	36M0G7W	74.20 dBW	DIGITAL MCPC QPSK USED FOR VIDEO, AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL MCPC QPSK USED FOR VIDEO, AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0F8W		

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20040616-00836 E E010289 CABLE NEWS NETWORK LP, LLLP

Application for Modification

03/11/2002 - 03/11/2012

Grant of Authority

Date Effective: 08/03/2004

Class of Station: VSAT Network

Nature of Service: Domestic Fixed Satellite Service

"MOD" to add four remote 2.4 meter antennas to it's existing Ku-band VSAT Network System. The new units will operate only within CONUS. The remote units will operate with US licensed satellites (ALSAT). Service will include video and voice data.

SITE ID: REMOTE 2

LOCATION: VSAT (2.4 METER), CONUS, (13 UNITS)

ANTENNA ID: REMOTE 2	2.4 meters	PRODELIN	1251
14000.0000 - 14500.0000 MHz	7M00G2D	59.60 dBW	QPSK VIDEO
11700.0000 - 12200.0000 MHz	7M00G2D		QPSK VIDEO

SITE ID: 1 HUB

LOCATION: 1050 TECHWOOD DRIVE (2.4 M. HUB), FULTON, ATLANTA, GA

33 ° 47 ' 2.00 " N LAT.

84 ° 23 ' 39.00 " W LONG.

ANTENNA ID: HUB 2.4 meters PRODELIN 1251
14000.0000 - 14500.0000 MHz 7M00G2D 59.60 dBW QPSK VIDEO
11700.0000 - 12200.0000 MHz 7M00G2D QPSK VIDEO

SITE ID: REMOTE 1
LOCATION: VSAT (2.4 METER), CONUS, (32 UNITS)

ANTENNA ID: REMOTE 1 2.4 meters PRODELIN 1251
14000.0000 - 14500.0000 MHz 7M00G2D 59.60 dBW QPSK VIDEO
11700.0000 - 12200.0000 MHz 7M00G2D QPSK VIDEO

SITE ID: REMOTE 3
LOCATION: VSAT (2.4 METER), CONUS, (5 UNITS)

ANTENNA ID: REMOTE 3 2.4 meters PRODELIN 1251
14000.0000 - 14500.0000 MHz 7M00G2D 59.60 dBW QPSK VIDEO
11700.0000 - 12200.0000 MHz 7M00G2D QPSK VIDEO

SITE ID: REMOTE 4
LOCATION: VSAT (2.4 METER), CONUS, (3 UNITS)

ANTENNA ID: REMOTE 4 2.4 meters PRODELIN 1251
14000.0000 - 14500.0000 MHz 7M00G2D 59.60 dBW QPSK VIDEO
11700.0000 - 12200.0000 MHz 7M00G2D QPSK VIDEO

SITE ID: REMOTE 5
LOCATION: VSAT (2.4 METER), CONUS, (1 UNITS)

ANTENNA ID: REMOTE 5 2.4 meters PRODELIN 1251
14000.0000 - 14500.0000 MHz 7M00G2D 59.60 dBW QPSK VIDEO
11700.0000 - 12200.0000 MHz 7M00G2D QPSK VIDEO

SITE ID: REMOTE 6
LOCATION: VSAT (5.6 METER), CONUS, (1 UNITS)

ANTENNA ID: REMOTE 6 5.6 meters ANDREW 5.6 METER
14000.0000 - 14500.0000 MHz 7M00G2D 59.60 dBW QPSK VIDEO

11700.0000 - 12200.0000 MHz 7M00G2D QPSK VIDEO

SITE ID: REMOTE 7
LOCATION: VSAT (2.4 METER), CONUS, (4 UNITS)

ANTENNA ID: REMOTE 7 2.4 meters PRODELIN 1251

14000.0000 - 14500.0000 MHz 7M00G2D 59.60 dBW QPSK VIDEO

11700.0000 - 12200.0000 MHz 7M00G2D QPSK VIDEO

Points of Communication:

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

SES-MOD-20040730-01080 E E000003 QUALCOMM Incorporated
Application for Modification 03/07/2000 - 03/07/2010
Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

Notification of minor modification - add new emission designator 2M50G7D to hub earth station with call sign E000003.

SITE ID: LV-HUB
LOCATION: (OmniTRACS System, mobile u in E880423) 5494 PROCYON AVENUE, CLARK, LAS VEGAS, NV
 36 ° 5 ' 46.00 " N LAT. 115 ° 14 ' 8.00 " W LONG.

ANTENNA ID: 9M-2 9 meters VERTEX CASS 9KPK

14000.0000 - 14500.0000 MHz 36M0F3F 79.40 dBW Mode B

14000.0000 - 14500.0000 MHz 2M00G1D 79.40 dBW Mode B

11700.0000 - 12200.0000 MHz 48M0F1D Mode B

14000.0000 - 14500.0000 MHz	2M50G7D	73.40 dBW	OmniTRACS-2 Forward Link Services
11700.0000 - 12200.0000 MHz	2M50G7D		OmniTRACS-2 Forward Link Services

Points of Communication:

LV-HUB - ALSAT - (ALSAT)

SES-MOD-20040730-01082 E E000004	QUALCOMM Incorporated	
Application for Modification		03/07/2000 - 03/07/2010
Grant of Authority		Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

Notification of minor modification - add new emission designator 2M50G7D to hub earth station with call sign E000004.

SITE ID: SD-HUB
 LOCATION: (OmniTRACS System, mobile u in E880423) 5545 MOREHOUSE DRIVE, SAN DIEGO, SAN DIEGO, CA
 32 ° 53 ' 41.00 " N LAT. 117 ° 11 ' 41.00 " W LONG.

ANTENNA ID: 9M-2	9 meters	VERTEX	CASS 9KPK
14000.0000 - 14500.0000 MHz	36M0F3F	79.40 dBW	Mode B
14000.0000 - 14500.0000 MHz	2M00G1D	79.40 dBW	Mode B
11700.0000 - 12200.0000 MHz	48M0F1D		Mode B
14000.0000 - 14500.0000 MHz	2M50G7D	73.40 dBW	OmniTRACS-2 Forward Link Services
11700.0000 - 12200.0000 MHz	2M50G7D		OmniTRACS-2 Forward Link Services

Points of Communication:

SD-HUB - ALSAT - (ALSAT)

SES-MOD-20040730-01083 E E950009	QUALCOMM Incorporated	
Application for Modification		12/23/1994 - 12/23/2004
Grant of Authority		Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

Notification of minor modification - add new emission designator 2M50G7D to hub earth station with call sign E950009.

SITE ID: 1
LOCATION: 5494 PROCYON AVENUE, CLARK, LAS VEGAS, NV
36 ° 5 ' 45.00 " N LAT. 115 ° 14 ' 10.00 " W LONG.

ANTENNA ID: 1	9 meters	VERTEX	9KPK
14000.0000 - 14500.0000 MHz	36M0F3F	82.70 dBW	
14000.0000 - 14500.0000 MHz	2M00G1D	82.70 dBW	
11700.0000 - 12200.0000 MHz	36M0F3F		
11700.0000 - 12200.0000 MHz	2M00G1D		
14000.0000 - 14500.0000 MHz	2M50G7D	73.40 dBW	OmniTRACS-2 Forward Link Services
11700.0000 - 12200.0000 MHz	2M50G7D		OmniTRACS-2 Forward Link Services

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040524-00707 E E040241 MINNESOTA PUBLIC RADIO
Registration 05/24/2004 - 05/24/2019
Grant of Authority Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: PASADENA CITY COLLEGE (KPCC) 1570 E. Colorado Blvd., LOS ANGELES, PASADENA, CA
34 ° 8 ' 42.00 " N LAT. 118 ° 7 ' 0.00 " W LONG.

ANTENNA ID: 1	3.8 meters	COMTECH ANTENNA SYSTEMS	3.8 METER PF
3700.0000 - 4200.0000 MHz	30K0F1D		DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz	10M3G7W		DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040618-00842 E E040272 COX SOUTHWEST HOLDINGS, L.P.
Registration 06/18/2004 - 06/18/2019
Grant of Authority Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 28 WEST CONCHO, TOM GREEN, SAN ANGELO, TX
31 ° 27 ' 31.60 " N LAT. 100 ° 26 ' 16.70 " W LONG.

ANTENNA ID: 1	5 meters	Scientific Atlanta	8008B
3700.0000 - 4200.0000 MHz		36M0F8W	DIGITAL
3700.0000 - 4200.0000 MHz		36M0F3F	DIGITAL

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040618-00848 E E040273 FORDHAM UNIVERSITY
Registration 06/18/2004 - 06/18/2019
Grant of Authority Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 441 EAST FORDHAM RD (WFUV-FM) KEATING HALL, ROOM 303, BRONX, BRONX, NY
40 ° 51 ' 37.00 " N LAT. 73 ° 53 ' 1.50 " W LONG.

ANTENNA ID: 1	3.8 meters	Comtech Antenna Systems	3.8 METER PF
3700.0000 - 4200.0000 MHz		10M3G7W 0.00 dBW	DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz		30K0F1D 0.00 dBW	DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040621-00850 E E040274 CALIFORNIA STATE UNIVERSITY, SACRAMENTO
Registration 06/21/2004 - 06/21/2019
Grant of Authority Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 7055 FOLSOM BLVD (KXPR-FM), SACRAMENTO, SACRAMENTO, CA
38 ° 33 ' 10.00 " N LAT. 121 ° 25 ' 15.40 " W LONG.

ANTENNA ID: 1 3.7 meters Prodelin 136-750
3700.0000 - 4200.0000 MHz 30K0F1D 0.00 dBW DIGITAL BROADCAST AUDIO CARRIER
3700.0000 - 4200.0000 MHz 10M3G7W 0.00 dBW DIGITAL AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040623-00871 E E040280 UNIVERSITY OF CENTRAL FLORIDA
Registration 06/23/2004 - 06/23/2019
Grant of Authority Date Effective: 08/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: COMMUNICATION BLDG #75 (WUCF-FM), ORANGE, ORLANDO, FL
28 ° 36 ' 13.00 " N LAT. 81 ° 12 ' 10.00 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH ANTENNA SYSTEMS 3.8 M
3700.0000 - 4200.0000 MHz 30K0F1D DIGITAL AUDIO CARRIER
3700.0000 - 4200.0000 MHz 10M3G7W DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01047 E E940413 Bowling Green State University
Renewal 09/02/2004 - 09/02/2019
Grant of Authority Date Effective: 07/28/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1 1.8 meters VERTEX 1.8M DMK

14000.0000 - 14500.0000 MHz 36M0F3F 71.18 dBW

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01049 E E7543 Ascent Media Systems and Technology Services, LLC
Renewal 08/24/2004 - 08/24/2019
Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1424 RICE AVENUE, ALLEN, LIMA, OH
40 ° 44 ' 50.00 " N LAT. 84 ° 7 ' 54.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS MODEL 5346

14000.0000 - 14500.0000 MHz 112F9Y 55.00 dBW

14000.0000 - 14500.0000 MHz 36000F9 80.00 dBW

11700.0000 - 12200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01050 E E7566 Ascent Media Systems and Technology Services, LLC
Renewal 08/24/2004 - 08/24/2019
Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: JACKSON, MEDFORD, OR
42 ° 19 ' 12.00 " N LAT. 122 ° 54 ' 18.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS/MODEL 5346

14000.0000 - 14500.0000 MHz 112F9Y 55.00 dBW

14000.0000 - 14500.0000 MHz 36000F9 77.90 dBW

11700.0000 - 12200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01051 E E7565 Ascent Media Systems and Technology Services, LLC
Renewal 08/24/2004 - 08/24/2019
Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: LEELANAU, TRAVERSE CITY, MI
44 ° 46 ' 35.00 " N LAT. 85 ° 41 ' 3.00 " W LONG.

ANTENNA ID: 1	6.1 meters	HARRIS/MODEL 5346
14000.0000 - 14500.0000 MHz	112F9Y	55.00 dBW
14000.0000 - 14500.0000 MHz	36000F9	77.90 dBW
11700.0000 - 12200.0000 MHz	36000F9	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01052 E E7546 Ascent Media Systems and Technology Services, LLC
Renewal 08/24/2004 - 08/24/2019
Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: ONE CONGRESS SQUARE, CUMBERLAND, PORTLAND, ME
43 ° 39 ' 12.00 " N LAT. 70 ° 15 ' 49.00 " W LONG.

ANTENNA ID: 1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

14000.0000 - 14500.0000 MHz	36M0G7F	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01053 E E7547 Ascent Media Systems and Technology Services, LLC
 Renewal 08/24/2004 - 08/24/2019
 Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 3165 OLENTANGY RIVER ROAD, FRANKLIN, COLUMBUS, OH
 40 ° 1 ' 30.00 " N LAT. 83 ° 1 ' 44.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz	112KG1D	57.10 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7F	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

11700.0000 - 12200.0000 MHz

36M0G7F

PSK DIGITAL VIDEO WITH ASSOC.
DIGITAL AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01054 E E7564

Ascent Media Systems and Technology Services, LLC

Renewal

08/24/2004 - 08/24/2019

Grant of Authority

Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 2225 West Willard Road, GENESEE, CLIO, MI

43 ° 13 ' 1.00 " N LAT.

83 ° 43 ' 17.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz 112KG1D 56.50 dBW

14000.0000 - 14500.0000 MHz 36M0F3W 78.50 dBW

11700.0000 - 12200.0000 MHz 112KG1D

11700.0000 - 12200.0000 MHz 36M0F3W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01055 E E6875

Ascent Media Systems and Technology Services, LLC

Renewal

08/10/2004 - 08/10/2019

Grant of Authority

Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: BANESTER, LAREDO, TX

27 ° 34 ' 3.00 " N LAT.

99 ° 29 ' 51.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS MODEL 5346

14000.0000 - 14500.0000 MHz 112F9 62.00 dBW

14000.0000 - 14500.0000 MHz 36000F9 77.90 dBW

11700.0000 - 12200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01056 E E7177 Ascent Media Systems and Technology Services, LLC
Renewal 08/10/2004 - 08/10/2019
Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: TAZEWELL, PEORIA, IL
40 ° 37 ' 46.00 " N LAT. 89 ° 32 ' 56.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS MODEL NO. 534 6

14000.0000 - 14500.0000 MHz 112F9 55.00 dBW

14000.0000 - 14500.0000 MHz 36000F9 77.90 dBW

11700.0000 - 12200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01057 E E6870 Ascent Media Systems and Technology Services, LLC
Renewal 08/10/2004 - 08/10/2019
Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1021 N. WYMORE ROAD, ORANGE, WINTER PARK, FL
28 ° 36 ' 43.00 " N LAT. 81 ° 23 ' 12.00 " W LONG.

ANTENNA ID: 1 8 meters HARRIS 5349

14000.0000 - 14500.0000 MHz 112KG1D 57.00 dBW PSK PRIVATE DATA

14000.0000 - 14500.0000 MHz 26M0F8F 78.00 dBW ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS

14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7F	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	4M00G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01058 E E6869 Ascent Media Systems and Technology Services, LLC
 Renewal 08/10/2004 - 08/10/2019
 Grant of Authority Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1205 FRONT STREET, WAKE, RALEIGH, NC
 35 ° 49 ' 18.00 " N LAT.

78 ° 36 ' 57.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 5346

14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA
14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7F	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIERS

11700.0000 - 12200.0000 MHz	4M00G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01059 E E6912	Ascent Media Systems and Technology Services, LLC
Renewal	08/10/2004 - 08/10/2019
Grant of Authority	Date Effective: 08/03/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 2120 "L" STREET, KERN, BAKERSFIELD, CA
 35 ° 22 ' 43.00 " N LAT. 119 ° 0 ' 57.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS MODEL 5346

14000.0000 - 14500.0000 MHz	112KG1D	56.50 dBW
14000.0000 - 14500.0000 MHz	36M0F3W	78.50 dBW
11700.0000 - 12200.0000 MHz	112KG1D	
11700.0000 - 12200.0000 MHz	36M0F3W	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01060 E E7523	ASSOCIATED PRESS
Renewal	08/24/2004 - 08/24/2019
Grant of Authority	Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: HOUSTON, DOTHAN, AL
 31 ° 13 ' 37.00 " N LAT. 85 ° 23 ' 40.00 " W LONG.

ANTENNA ID: 1 3 meters SCIENTIFIC ATLANTA 8006

3700.0000 - 4200.0000 MHz	200KF3A
3700.0000 - 4200.0000 MHz	180KF2D
3700.0000 - 4200.0000 MHz	2M50F1D

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01061 E E7558	ASSOCIATED PRESS	
Renewal		08/24/2004 - 08/24/2019
Grant of Authority		Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: SOMERSET, SOMERSET, PA
40 ° 0 ' 32.00 " N LAT. 79 ° 5 ' 1.00 " W LONG.

ANTENNA ID: 1 3 meters SCIENTIFIC ATLANTA 8006

3700.0000 - 4200.0000 MHz	200KF3A
3700.0000 - 4200.0000 MHz	180KF2D
3700.0000 - 4200.0000 MHz	2M50F1D

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01062 E E7528	ASSOCIATED PRESS	
Renewal		08/24/2004 - 08/24/2019
Grant of Authority		Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: WICHITA, WICHITA FALLS, TX
33 ° 54 ' 22.00 " N LAT. 98 ° 29 ' 18.00 " W LONG.

ANTENNA ID: 1 3 meters SCIENTIFIC ATLANTA 8006

3700.0000 - 4200.0000 MHz	200KF3A
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3700.0000 - 4200.0000 MHz 180KF2D

3700.0000 - 4200.0000 MHz 2M50F1D

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01063 E E7527 ASSOCIATED PRESS

Renewal

08/24/2004 - 08/24/2019

Grant of Authority

Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: RICHLAND, COLUMBIA, SC

33 ° 58 ' 27.00 " N LAT.

81 ° 1 ' 6.00 " W LONG.

ANTENNA ID: 1 3 meters SCIENTIFIC ATLANTA 8006

3700.0000 - 4200.0000 MHz 200KF3A

3700.0000 - 4200.0000 MHz 180KF2D

3700.0000 - 4200.0000 MHz 2M50F1D

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01064 E E7525 ASSOCIATED PRESS

Renewal

08/24/2004 - 08/24/2019

Grant of Authority

Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: WASHINGTON, HAGERSTOWN, MD

39 ° 38 ' 29.00 " N LAT.

77 ° 43 ' 26.00 " W LONG.

ANTENNA ID: 1 3 meters SCIENTIFIC ATLANTA 8006

3700.0000 - 4200.0000 MHz 200KF3A

3700.0000 - 4200.0000 MHz 180KF2D

3700.0000 - 4200.0000 MHz 2M50F1D

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01065 E E7524 ASSOCIATED PRESS

Renewal

08/24/2004 - 08/24/2019

Grant of Authority

Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: OKALOOSA, FT. WALTON BEACH, FL

30 ° 26 ' 59.00 " N LAT.

86 ° 37 ' 21.00 " W LONG.

ANTENNA ID: 1 3 meters SCIENTIFIC ATLANTA 8006

3700.0000 - 4200.0000 MHz 200KF3A

3700.0000 - 4200.0000 MHz 180KF2D

3700.0000 - 4200.0000 MHz 2M50F1D

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01066 E E7582 ASSOCIATED PRESS

Renewal

08/24/2004 - 08/24/2019

Grant of Authority

Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: HOWARD, BIG SPRING, TX

32 ° 14 ' 50.00 " N LAT.

101 ° 28 ' 32.00 " W LONG.

ANTENNA ID: 1 3 meters SCIENTIFIC ATLANTA 8006

3700.0000 - 4200.0000 MHz 200KF3A

3700.0000 - 4200.0000 MHz 180KF2D

3700.0000 - 4200.0000 MHz 2M50F1D

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01067 E E7557 ASSOCIATED PRESS

Renewal

08/24/2004 - 08/24/2019

Grant of Authority

Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: ANGELINA, LUFKIN, TX

31 ° 20 ' 21.00 " N LAT.

94 ° 43 ' 51.00 " W LONG.

ANTENNA ID: 1 3 meters SCIENTIFIC ATLANTA 8006

3700.0000 - 4200.0000 MHz 200KF3A

3700.0000 - 4200.0000 MHz 180KF2D

3700.0000 - 4200.0000 MHz 2M50F1D

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040727-01068 E E940467 TIME WARNER ENTERTAINMENT-ADVANCE/NEWHOUSE PARTNERSHIP

Renewal

08/23/2004 - 08/23/2019

Grant of Authority

Date Effective: 07/29/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 12200 NORTH MOPAC SOUTH BOUND, AUSTIN, TRAVIS, TX

30 ° 24 ' 37.00 " N LAT.

97 ° 42 ' 46.00 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC-ATLANTA 8345

3700.0000 - 4200.0000 MHz 36M0F8W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-T/C-20040624-00878 E E990243 RCN TELECOM SERVICES OF PHILADELPHIA, INC.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 08/03/2004

Current Licensee: RCN TELECOM SERVICES OF PHILADELPHIA, INC.

FROM: RCN CORPORATION

TO: RCN CORPORATION, DEBTOR-IN-POSSESSION

No. of Station(s) listed: 1

SES-T/C-20040624-00879 E E980466 RCN TELECOM SERVICES OF MASSACHUSETTS, INC.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 08/03/2004

Current Licensee: RCN TELECOM SERVICES OF MASSACHUSETTS, INC.

FROM: RCN CORPORATION

TO: RCN CORPORATION, DEBTOR-IN-POSSESSION

No. of Station(s) listed: 1

SES-T/C-20040624-00880 E E010323 RCN TELECOM SERVICES, INC.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 08/03/2004

Current Licensee: RCN TELECOM SERVICES, INC.

FROM: RCN CORPORATION

TO: RCN CORPORATION, DEBTOR-IN-POSSESSION

No. of Station(s) listed: 4

SES-T/C-20040624-00881 E E970384 RCN TELECOM SERVICES OF ILLINOIS, INC.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 08/03/2004

Current Licensee: RCN TELECOM SERVICES OF ILLINOIS, INC.

FROM: RCN CORPORATION

TO: RCN CORPORATION, DEBTOR-IN-POSSESSION

No. of Station(s) listed: 1

SES-T/C-20040624-00882 E E990040 RCN CABLE TV OF CHICAGO, INC.
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 08/03/2004

Current Licensee: RCN CABLE TV OF CHICAGO, INC.

FROM: RCN CORPORATION

TO: RCN CORPORATION, DEBTOR-IN-POSSESSION

No. of Station(s) listed: 1

INFORMATIVE

SES-LIC-19960703-00904 E960462 SPACE IMAGING L.P.

INFORMATIVE

Licensee has surrendered license, per letter dated July 23, 2004.

SES-RWL-19940926-00529 E7664 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-19941129-00205 E6729 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-19941208-00155 E7929 Comcast of Northwest New Jersey, LLC

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-19970204-00133 E870514 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-19970731-01042 E861051 VIDEOINDIANA, INC.

Licensee has surrendered license, per letter dated July 23, 2004.

SES-RWL-19981215-01902 E880703 AT&T BROADBAND TELENOIS, LLC

Licensee has surrendered license, per letter dated July 19, 2004.

SES-RWL-19991008-01803 E890977 TCI ILLINOIS HOLDINGS, L. P.

Licensee has surrendered license, per letter dated July 19, 2004.

SES-RWL-19991117-02108 WX37 COMCAST OF BURLINGTON COUNTY, LLC

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20000626-01061 E2172 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20000906-01652 E900676 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20000911-01683 E2078 TCI ILLINOIS HOLDINGS, L. P.

Licensee has surrendered license, per letter dated July 19, 2004.

SES-RWL-20001122-02199 KG43 Comcast of California XIV, LLC

Licensee has changed name only, per letter dated July 21, 2004.

SES-RWL-20001124-02231 KG40 Comcast of California XIV, LLC

Licensee has changed name only, per letter dated July 21, 2004.

SES-RWL-20001211-02330 E2613 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20010205-00285 E2775 AT&T BROADBAND OF WEST VIRGINIA, LLC

Licensee has surrendered license, per letter dated July 16, 2004.

SES-RWL-20010209-00312 E2774 AT&T BROADBAND OF OHIO, LLC

Licensee has surrendered license, per letter dated July 19, 2004.

SES-RWL-20010417-00768 E2999 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20010626-01215 E3204 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20010802-01456 E3280 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20010914-02402 E3729 COMCAST OF CHESTERFIELD COUNTY, INC.

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20011009-01880 E3744 AT&T BROADBAND OF WEST VIRGINIA, LLC

Licensee has surrendered license, per letter dated July 16, 2004.

SES-RWL-20011015-01999 E3700 COMCAST OF BURLINGTON COUNTY, LLC

Licensee has changed name only, per letter dated July 22, 2004.

INFORMATIVE

SES-RWL-20011102-02122 E3929 COMCAST OF CHESTERFIELD COUNTY, INC.

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20020312-00376 WN91 Comcast of the South Inc

Licensee has changed name only, per letter dated July 22, 2004.

SES-RWL-20020503-00784 E920512 AT&T BROADBAND OF WEST VIRGINIA, LLC

Licensee has surrendered license, per letter dated July 16, 2004.

SES-RWL-20021108-02040 E930169 Comcast of Illinois XIII, LP

Licensee has surrendered license, per letter dated July 19, 2004.

SES-RWL-20030619-00879 E5970 Comcast of California/Colorado/Illinois/Indiana/Texas, Inc. d/b/a Comcast Cable

Licensee has surrendered license, per letter dated July 19, 2004.

SES-RWL-20031128-01733 E6618 COMCAST OF ILLINOIS/TEXAS, INC. D/B/A COMCAST CABLE OF ILLINOIS/TEXAS, INC.

Licensee has surrendered license, per letter dated July 19, 2004.

SURRENDER

SES-MOD-19950818-00525 E940368 PanAmSat Licensee Corp.

PanAmSat Licensee Corp., by its attorneys, hereby requests cancellation of its authorizations for this transmit/receive earth station facility.

SES-MOD-20011217-02381 E900089 PanAmSat Licensee Corp.

PanAmSat Licensee Corp., by its attorneys, hereby requests cancellation of its authorizations for this transmit/receive earth station facility.

SES-MOD-20030425-00532 E3943 PanAmSat Licensee Corp.

PanAmSat Licensee Corp., by its attorneys, hereby requests cancellation of its authorizations for this transmit/receive earth station facility.

SES-MOD-20030425-00534 E900621 PanAmSat Licensee Corp.

PanAmSat Licensee Corp., by its attorneys, hereby requests cancellation of its authorizations for this transmit/receive earth station facility.

SES-RWL-20020531-00867 E920340 PanAmSat Licensee Corp.

PanAmSat Licensee Corp., by its attorneys, hereby requests cancellation of its authorizations for this transmit/receive earth station facility.

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