



PUBLIC NOTICE

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

News media information 202-418-0500
Fax-On-Demand 202-418-2830; Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
TTY (202) 418-2555

Report No. SES-00594

Wednesday April 7, 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-20020102-00029 P E010320 WSNET HOLDINGS, INC.

Amendment

Grant of Authority

Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Feeder Link for DBS in Fixed Satellite Service, International Fixed Satellite Service

Points of Communication:

SES-AMD-20030917-01295 E E010320 Pegasus Development Corporation

Amendment

Grant of Authority

Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: 13 GREEN MOUNTAIN DRIVE, RENSSELAER, COHOES, NY

42 ° 47 ' 52.00 " N LAT.

73 ° 43 ' 40.00 " W LONG.

ANTENNA ID: 1

7.2 meters

VERTEX

7.2 KPK

17300.0000 - 17800.0000 MHz

24M0M1F

89.00 dBW

COMPRESSED DIGITAL VIDEO

12200.0000 - 12700.0000 MHz

24M0M1F

COMPRESSED DIGITAL VIDEO

Points of Communication:

SES-AMD-20030917-01296 E E020022 Pegasus Development Corporation

Amendment

Grant of Authority

Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, International Fixed Satellite Service, Other

SITE ID: REMOTE 1

LOCATION: 1,000,000 CHANNEL MASTER (.46 METER), CONUS

ANTENNA ID: REMOTE1 0.46 meters CHANNEL MASTER 0.46 DBS

12200.0000 - 12700.0000 MHz 24M0F1F QPSK, COMPRESSED DIGITAL VIDEO

Points of Communication:

SES-ASG-20040204-00281 P E000129 NBC News Channel, Inc.

Application for Consent to Assignment

Grant of Authority

Date Effective: 04/05/2004

Current Licensee: ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC

FROM: ASCENT MEDIA SYSTEM & TECHNOLOGY SERVICES, LLC

TO: NBC Telemundo License Co.

No. of Station(s) listed: 2

SES-ASG-20040319-00432 E E010322 CARMEL CABLE TELEVISION, INC.

Application for Consent to Assignment

Grant of Authority

Date Effective: 03/30/2004

Current Licensee: RCN TELECOM SERVICES, INC.

FROM: RCN TELECOM HOLDING COMPANY

TO: CARMEL CABLE TELEVISION, INC.

No. of Station(s) listed: 3

SES-LIC-20011121-02186 P E010320 Pegasus Development Corporation

Application for Authority

03/31/2004 - 03/31/2019

Grant of Authority

Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Feeder Link for DBS in Fixed Satellite Service, International Fixed Satellite Service

This license is granted by Order DA 04-909, released March 31, 2004.

SITE ID: 1

LOCATION: 13 GREEN MOUNTAIN DRIVE, RENSSELAER, COHOES, NY

42 ° 47 ' 52.00 " N LAT.

73 ° 43 ' 40.00 " W LONG.

ANTENNA ID: 1	7.2 meters	VERTEX	7.2 KPK
17300.0000 - 17800.0000 MHz	24M0M1F	87.40 dBW	COMPRESSED DIGITAL VIDEO
12200.0000 - 12700.0000 MHz	24M0M1F		COMPRESSED DIGITAL VIDEO

Points of Communication:

1 - Nimiq 1 - (82 WL)

1 - Nimiq 2 - (91 WL)

SES-LIC-20020111-00075	P	E020022	Pegasus Development Corporation	
Application for Authority				03/31/2004 - 03/31/2019
Grant of Authority				Date Effective: 03/31/2004

Class of Station: Blanket Earth Stations

Nature of Service: Direct Broadcast Satellite Service, International Fixed Satellite Service

This license is granted by Order DA 04-909, released March 31, 2004.

SITE ID: REMOTE 1
LOCATION: 1,000,000 CHANNEL MASTER (.46 METER), CONUS

ANTENNA ID: REMOTE1	0.46 meters	CHANNEL MASTER	0.46 DBS
12200.0000 - 12700.0000 MHz	24M0M1F		QPSK, COMPRESSED DIGITAL VIDEO

Points of Communication:

REMOTE 1 - Nimiq 1 - (82 WL)

REMOTE 1 - Nimiq 2 - (91 WL)

SES-LIC-20040102-00001	E	E040009	RCN LICENSE SUBSIDIARY, INC.	
Application for Authority				04/05/2004 - 04/05/2019
Grant of Authority				Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: RACETRACK ROAD, WASHINGTON, WASHINGTON, PA
40 ° 13 ' 12.70 " N LAT. 80 ° 12 ' 1.40 " W LONG.

ANTENNA ID: 1	3.8 meters	PRODELIN	1383
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5925.0000 - 6425.0000 MHz	8M00G7W	71.70 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
5925.0000 - 6425.0000 MHz	3M00G7W	67.50 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
5925.0000 - 6425.0000 MHz	36M0F3F	72.40 dBW	STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS.
3700.0000 - 4200.0000 MHz	8M00G7W		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
3700.0000 - 4200.0000 MHz	3M00G7W		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
3700.0000 - 4200.0000 MHz	36M0F3F		STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS.

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040102-00002 E E040010 RCN LICENSE SUBSIDIARY, INC.

Application for Authority

04/05/2004 - 04/05/2019

Grant of Authority

Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1 RETAMA PARKWAY, BEXAR, SELMA, TX

29 ° 35 ' 6.00 " N LAT.

98 ° 19 ' 3.00 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters PRODELIN 1383

5925.0000 - 6183.0000 MHz	36M0F3F	72.70 dBW	STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS.
5925.0000 - 6191.0000 MHz	3M00G7W	66.80 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
5925.0000 - 6191.0000 MHz	8M30G7W	71.20 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.

6191.0000 - 6203.0000 MHz	3M00G7W	65.00 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
6191.0000 - 6203.0000 MHz	8M30G7W	69.40 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
6203.0000 - 6425.0000 MHz	3M00G7W	66.80 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
6203.0000 - 6425.0000 MHz	8M30G7W	71.20 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
3700.0000 - 4200.0000 MHz	8M30G7W		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
3700.0000 - 4200.0000 MHz	3M00G7W		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
3700.0000 - 4200.0000 MHz	36M0F3F		STANDARD VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS.

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040105-00008 E E040014 RCN LICENSE SUBSIDIARY, INC.

Application for Authority

04/05/2004 - 04/05/2019

Grant of Authority

Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 190 VFW PARKWAY, SUFFOLK, REVERE, MA

42 ° 24 ' 46.00 " N LAT.

70 ° 59 ' 45.00 " W LONG.

ANTENNA ID: 1 3.8 meters PRODELIN 1383

6079.0000 - 6136.0000 MHz	3M00G7W	67.80 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
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6079.0000 - 6136.0000 MHz	8M30G7W	72.20 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
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6168.0000 - 6181.0000 MHz	3M00G7W	67.80 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
6168.0000 - 6181.0000 MHz	8M30G7W	72.20 dBW	DIGITAL , QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
3700.0000 - 4200.0000 MHz	8M30G7W		DIGITAL , QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
3700.0000 - 4200.0000 MHz	3M00G7W		DIGITAL , QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040107-00141 P E040059 LATIN ENTERTAINMENT NETWORK, INC.
 Application for Authority 04/06/2004 - 04/06/2019
 Grant of Authority Date Effective: 04/06/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 805 NORTH DIXIE AVENUE, BREVARD, TITUSVILLE, FL
 28 ° 37 ' 55.00 " N LAT. 80 ° 49 ' 22.00 " W LONG.

ANTENNA ID: 1	2.4 meters	PATRIOT ANTENNA SYSTEMS	TXFCC-240KU
14000.0000 - 14500.0000 MHz	900KG7D	13.00 dBW	DIGITAL MPEG2 AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20040227-00301 E E040118 CABLE NEWS NETWORK LP, LLLP
 Application for Authority 04/05/2004 - 04/05/2019
 Grant of Authority Date Effective: 04/05/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: ONE CNN CENTER ATLANTA, GA 30348, VARIOUS

ANTENNA ID: 1	1.8 meters	AVL Technology	1800 USA SNG
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14000.0000 - 14500.0000 MHz

36M0G7W

71.47 dBW

ONE 36 MBIT MCPC DIGITAL
CARRIER FOR VOICE DATA WITH
AN EMISSION DESIGNATION OF
36MOG7W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20030318-00351 E E020091 California Broadcast Center, LLC

Application for Modification

08/26/2002 - 08/26/2017

Grant of Authority

Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: LONG BEACH

LOCATION: 3800 VIA ORE AVENUE, LOS ANGELS, LONG BEACH, CA

33 ° 49 ' 45.00 " N LAT.

118 ° 12 ' 43.30 " W LONG.

ANTENNA ID: 1

11 meters

VERTEX COMMUNICATIONS

11KPC

6425.0000 - 6675.0000 MHz

24M0G7F

72.90 dBW

DIGITAL VIDEO WITH AUDIO
SUBCARRIERS

5925.0000 - 6425.0000 MHz

24M0G7F

72.90 dBW

DIGITAL VIDEO WITH AUDIO
SUBCARRIERS

3700.0000 - 4200.0000 MHz

24M0G7F

DIGITAL VIDEO WITH AUDIO
SUBCARRIERS

6425.0000 - 6525.0000 MHz

24M0G7F

72.90 dBW

DIGITAL VIDEO WITH AUDIO
SUBCARRIERS

3700.0000 - 4200.0000 MHz

24M0G7F

DIGITAL VIDEO WITH AUDIO
SUBCARRIERS

Points of Communication:

LONG BEACH - ALSAT - (ALSAT)

LONG BEACH - GALAXY III-C - (95 W.L.)

SES-MOD-20031008-01387 E E980235 Stratos Offshore Services Company

Application for Modification

07/13/1998 - 07/13/2008

Withdrawn

Date Effective: 03/31/2004

Class of Station: VSAT Network

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

This modification application has been withdrawn, per applicant's request on March 31, 2004.

SITE ID: REMOTE 7
LOCATION: CONUS, GULF OF MEXICO

ANTENNA ID:	REMOTE 7	1 meters	SEATEL	4003
14000.0000 - 14500.0000 MHz		50K0G7D	36.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz		100KG7D	39.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz		200KG7D	42.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz		400KG7D	45.80 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz		50K0G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz		100KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz		200KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz		400KG7D		QPSK, DATA

SITE ID: REMOTE 6
LOCATION: CONUS, GULF OF MEXICO

ANTENNA ID:	REMOTE 6	1.2 meters	SEATEL	4996T
14000.0000 - 14500.0000 MHz		50K0G7D	36.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz		100KG7D	39.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz		200KG7D	42.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz		400KG7D	45.80 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz		50K0G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz		100KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz		200KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz		400KG7D		QPSK, DATA

SITE ID: REMOTE 5
LOCATION: CONUS, GULF OF MEXICO

ANTENNA ID:	REMOTE 5	1.2 meters	PRODELIN	1123
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14000.0000 - 14500.0000 MHz	50K0G7D	36.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	100KG7D	39.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	200KG7D	42.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	400KG7D	45.80 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	50K0G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	100KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	200KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	400KG7D		QPSK, DATA

SITE ID: REMOTE 4
LOCATION: CONUS, GULF OF MEXICO

ANTENNA ID: REMOTE 4 1.2 meters ORBIT AL-7104

14000.0000 - 14500.0000 MHz	50K0G7D	36.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	100KG7D	39.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	200KG7D	42.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	400KG7D	45.80 dBW	QPSK, DATA
11700.0000 - 12200.0000 MHz	50K0G7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	100KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	200KG7D		QPSK, DATA
11700.0000 - 12200.0000 MHz	400KG7D		QPSK, DATA

SITE ID: REMOTE 3
LOCATION: CONUS, GULF OF MEXICO

ANTENNA ID: REMOTE 3 2.4 meters CHANNEL MASTER 243

14000.0000 - 14500.0000 MHz	50K0G7D	36.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	100KG7D	39.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	200KG7D	42.80 dBW	QPSK, DATA
14000.0000 - 14500.0000 MHz	400KG7D	45.80 dBW	QPSK, DATA

11700.0000 - 12200.0000 MHz	50K0G7D	QPSK, DATA
11700.0000 - 12200.0000 MHz	100KG7D	QPSK, DATA
11700.0000 - 12200.0000 MHz	200KG7D	QPSK, DATA
11700.0000 - 12200.0000 MHz	400KG7D	QPSK, DATA

SITE ID: REMOTE 1
LOCATION: CONUS

ANTENNA ID: REMOTE 1 2.4 meters PRODELIN 1251

14000.0000 - 14500.0000 MHz	100KG7D	49.20 dBW	QPSK, Data
14000.0000 - 14500.0000 MHz	200KG7D	52.20 dBW	BPSK, Data
14000.0000 - 14500.0000 MHz	1M40G7D	52.20 dBW	QPSK, Data
14000.0000 - 14500.0000 MHz	2M40G7D	52.20 dBW	QPSK, Data
14000.0000 - 14500.0000 MHz	2M80G7D	52.20 dBW	BPSK, Data
14000.0000 - 14500.0000 MHz	4M90G7D	52.20 dBW	BPSK, Data
11700.0000 - 12200.0000 MHz	100KG7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	200KG7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	1M40G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M40G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M80G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	4M90G7D		DIGITAL DATA

SITE ID: HUB
LOCATION: 1710 W. WILLOW STREET, LAYAYETTE, SCOTT, LA
30 ° 14 ' 36.70 " N LAT. 92 ° 3 ' 6.40 " W LONG.

ANTENNA ID: HUB 4.5 meters ANDREW CORP. ESA 45-46B

14000.0000 - 14500.0000 MHz	100KG7D	53.80 dBW	QPSK, Data
14000.0000 - 14500.0000 MHz	200KG7D	56.80 dBW	BPSK, Data
14000.0000 - 14500.0000 MHz	1M40G7D	65.50 dBW	QPSK, Data

14000.0000 - 14500.0000 MHz	2M40G7D	65.80 dBW	QPSK, Data
14000.0000 - 14500.0000 MHz	2M80G7D	65.80 dBW	BPSK, Data
14000.0000 - 14500.0000 MHz	4M90G7D	65.80 dBW	BPSK, Data
13750.0000 - 14000.0000 MHz	100KG7D	68.00 dBW	DIGITAL DATA
13750.0000 - 14000.0000 MHz	200KG7D	68.00 dBW	DIGITAL DATA
13750.0000 - 14000.0000 MHz	1M40G7D	68.00 dBW	DIGITAL DATA
13750.0000 - 14000.0000 MHz	2M40G7D	68.00 dBW	DIGITAL DATA
13750.0000 - 14000.0000 MHz	2M80G7D	68.00 dBW	DIGITAL DATA
13750.0000 - 14000.0000 MHz	4M90G7D	68.00 dBW	DIGITAL DATA
11700.0000 - 12200.0000 MHz	100KG7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	200KG7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	1M40G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M40G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M80G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	4M90G7D		DIGITAL DATA

SITE ID: REMOTE 2
LOCATION: CONUS

ANTENNA ID: REMOTE 2	1.2 meters	CHANNEL MASTER	120
14000.0000 - 14500.0000 MHz	100KG7D	43.30 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	200KG7D	46.30 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	1M40G7D	49.30 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M40G7D	49.30 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M80G7D	49.30 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	4M90G7D	49.30 dBW	DIGITAL DATA
11700.0000 - 12200.0000 MHz	100KG7D		DIGITAL DATA

11700.0000 - 12200.0000 MHz	200KG7D	DIGITAL DATA
11700.0000 - 12200.0000 MHz	1M40G7D	DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M40G7D	DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M80G7D	DIGITAL DATA
11700.0000 - 12200.0000 MHz	4M90G7D	DIGITAL DATA

Points of Communication:

HUB - ALSAT - (ALSAT)

HUB - AMC-3 - (87 W.L.)

HUB - PAS-1R - (45.0 W.L.)

HUB - PAS-8B - (43 W.L.)

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 2 - AMC-4 (formerly GE-4 - (101 W.L.)

REMOTE 2 - NSS-7 - (338.5 E.L.)

REMOTE 3 - ALSAT - (ALSAT)

REMOTE 3 - AMC-4 (formerly GE-4 - (101 W.L.)

REMOTE 3 - NSS-7 - (338.5 E.L.)

REMOTE 4 - ALSAT - (ALSAT)

REMOTE 4 - AMC-4 (formerly GE-4 - (101 W.L.)

REMOTE 4 - NSS-7 - (338.5 E.L.)

REMOTE 5 - ALSAT - (ALSAT)

REMOTE 5 - AMC-4 (formerly GE-4 - (101 W.L.)

REMOTE 5 - NSS-7 - (338.5 E.L.)

REMOTE 6 - ALSAT - (ALSAT)

REMOTE 6 - AMC-4 (formerly GE-4 - (101 W.L.)

REMOTE 6 - NSS-7 - (338.5 E.L.)

REMOTE 7 - ALSAT - (ALSAT)

REMOTE 7 - AMC-4 (formerly GE-4 - (101 W.L.)

REMOTE 7 - NSS-7 - (338.5 E.L.)

SES-MOD-20031229-01867 E E000572 RCN LICENSE SUBSIDIARY, INC.

Application for Modification

11/14/2000 - 11/14/2010

Grant of Authority

Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

"MOD" to the existing C-band earth station to change emission designator and related service, to increase EIRP and EIRP density, to replace existing antenna, to relocate fixed station, and to change the points of communication (satellites & countries).

SITE ID: 1

LOCATION: 1280 HIGHWAY 315 WGP, LUZERNE, WILKES-BARRE, PA

41 ° 16 ' 3.00 " N LAT.

75 ° 49 ' 13.00 " W LONG.

ANTENNA ID: WGP

3.8 meters

PRODELIN

1383

5925.0000 - 6425.0000 MHz

3M00G7W

67.80 dBW

DIGITAL, QPSK, VARIOUS FEC,
VARIOUS DATA RATES, VARIOUS
INFO.

3700.0000 - 4200.0000 MHz

3M00G7W

DIGITAL, QPSK, VARIOUS FEC,
VARIOUS DATA RATES, VARIOUS
INFO.

5925.0000 - 6425.0000 MHz

8M00G7W

72.00 dBW

DIGITAL, QPSK, VARIOUS FEC,
VARIOUS DATA RATES, VARIOUS
INFO.

3700.0000 - 4200.0000 MHz

8M00G7W

DIGITAL, QPSK, VARIOUS FEC,
VARIOUS DATA RATES, VARIOUS
INFO.

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20040116-00055 E E920589 Mainstream Data, Inc.

Application for Modification

10/23/2002 - 10/23/2017

Grant of Authority

Date Effective: 04/05/2004

Class of Station: VSAT Fixed Hub Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: REM CM96

LOCATION: CONUS, AK, HI, PR, US V.I. (7,000 .96cm antennas)

ANTENNA ID:	REM CM96	0.96 meters	CHANNEL MASTER	960TX
	11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB 1
	14000.0000 - 14500.0000 MHz	400KG7D	44.20 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	200KG7D	44.20 dBW	QPSK - DATA

SITE ID: REM PR98
LOCATION: CONUS, AK, HI, PR, US V.I. (7,000 .98cm antennas)

ANTENNA ID:	REM PR98	0.98 meters	PRODELIN	1981
	11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPD DATA FROM HUB 1
	14000.0000 - 14500.0000 MHz	400KG7D	44.30 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	200KG7D	44.30 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	200KG7D	44.30 dBW	QPSK - DATA

SITE ID: 1HUB
LOCATION: 375 CHIPETA WAY, SUITE 200 (5.6 METER HUB), SALT LAKE, SALT LAKE CITY, UT
41 ° 45 ' 41.00 " N LAT. 111 ° 49 ' 26.00 " W LONG.

ANTENNA ID:	1,2,3	2.4 meters	PRODELIN	2.4M- 1251
	14000.0000 - 14500.0000 MHz	8M00G7W	68.20 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
	14000.0000 - 14500.0000 MHz	7M00G7W	67.60 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
	14000.0000 - 14500.0000 MHz	6M00G7W	67.00 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
	14000.0000 - 14500.0000 MHz	5M00G7W	66.20 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
	14000.0000 - 14500.0000 MHz	4M00G7W	65.20 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
	14000.0000 - 14500.0000 MHz	3M00G7W	64.00 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
	14000.0000 - 14500.0000 MHz	2M50G7W	63.20 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
	14000.0000 - 14500.0000 MHz	2M00G7W	62.20 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA

14000.0000 - 14500.0000 MHz	1M50G7W	60.90 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	1M00G7D	59.20 dBW	QPSK, BPSK DATA
14000.0000 - 14500.0000 MHz	870KG7D	58.10 dBW	BPSK DATA
14000.0000 - 14500.0000 MHz	500KG7D	56.20 dBW	BPSK DATA
11700.0000 - 12200.0000 MHz	500KG7D-		DOWNLINK CARRIER MONITORING
ANTENNA ID: 4	5.6 meters	ANDREW	ES56-4LP
14000.0000 - 14500.0000 MHz	54M0G7W	80.00 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	36M0G7W	80.00 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	27M0G7W	80.00 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	18M0G7W	79.30 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	17M0G7W	79.10 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	16M0G7W	78.80 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	15M0G7W	78.50 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	14M0G7W	78.20 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	13M0G7W	77.90 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	12M0G7W	77.60 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	11M0G7W	77.20 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	10M0G7W	76.80 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	9M00G7W	76.30 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA

14000.0000 - 14500.0000 MHz	8M00G7W	75.80 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	7M00G7W	75.20 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	6M00G7W	74.60 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	5M00G7W	73.80 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	4M00G7W	72.80 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	3M00G7W	71.60 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	2M50G7W	70.80 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	2M00G7W	69.80 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	1M50G7W	68.50 dBW	QPSK, DVB/MPEG/MPE ENCAPSULATED IP DATA
14000.0000 - 14500.0000 MHz	1M00G7D	66.80 dBW	QPSK, BPSK DATA
14000.0000 - 14500.0000 MHz	870KG7D	65.70 dBW	BPSK DATA
14000.0000 - 14500.0000 MHz	500KG7D	63.80 dBW	BPSK DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DOWNLINK CARRIER MONITORING
SITE ID: REM 1.0			
LOCATION: VSAT (7000 1.0-M ANTENNAS), CONUS, AK,HI,VI,PR,(			
ANTENNA ID: 1.0	1 meters	PATRIOT	TXFCC100KU
14000.0000 - 14500.0000 MHz	50K0G7D	38.90 dBW	MODULATION: PSK. DATA RATE: 32 KBPS
14000.0000 - 14500.0000 MHz	86K0G7D	41.20 dBW	MODULATION: PSK. DATA RATE: 32 KBPS
14000.0000 - 14500.0000 MHz	59K0G7D	39.60 dBW	MODULATION: PSK. DATA RATE: 38 KBPS
14000.0000 - 14500.0000 MHz	103KG7D	42.00 dBW	MODULATION: PSK. DATA RATE: 38 KBPS

14000.0000 - 14500.0000 MHz	100KG7D	41.90 dBW	MODULATION: PSK. DATA RATE: 64 KBPS
14000.0000 - 14500.0000 MHz	173KG7D	44.20 dBW	MODULATION: PSK. DATA RATE: 64 KBPS
14000.0000 - 14500.0000 MHz	120KG7D	42.70 dBW	MODULATION: PSK. DATA RATE: 77 KBPS
14000.0000 - 14500.0000 MHz	208KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 77 KBPS
14000.0000 - 14500.0000 MHz	200KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 128 KBPS
14000.0000 - 14500.0000 MHz	346KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 128 KBPS
14000.0000 - 14500.0000 MHz	241KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 154 KBPS
14000.0000 - 14500.0000 MHz	416KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 154 KBPS
14000.0000 - 14500.0000 MHz	400KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 256 KBPS
14000.0000 - 14500.0000 MHz	691KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 256 KBPS
14000.0000 - 14500.0000 MHz	480KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 307 KBPS
14000.0000 - 14500.0000 MHz	829KG7D	44.90 dBW	MODULATION: PSK. DATA RATE: 307 KBPS
11700.0000 - 12200.0000 MHz	4M00G7D-		DVB/MPE DATA FROM HUB STATION
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB STATION
SITE ID: REM 1.2			
LOCATION: VSAT (5000 1.2-M ANTENNAS), CONUS, AK, HI, VI, P			
ANTENNA ID: 1.2	1.2 meters	PATRIOT	TXFCC120KU
14000.0000 - 14500.0000 MHz	100KG7D	43.40 dBW	MODULATION: PSK. DATA RATE: 64 KBPS
14000.0000 - 14500.0000 MHz	173KG7D	45.70 dBW	MODULATION: PSK. DATA RATE: 64 KBPS

14000.0000 - 14500.0000 MHz	120KG7D	44.20 dBW	MODULATION: PSK. DATA RATE: 77 KBPS
14000.0000 - 14500.0000 MHz	208KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 77 KBPS
14000.0000 - 14500.0000 MHz	200KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 128 KBPS
14000.0000 - 14500.0000 MHz	346KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 128 KBPS
14000.0000 - 14500.0000 MHz	241KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 154 KBPS
14000.0000 - 14500.0000 MHz	416KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 154 KBPS
14000.0000 - 14500.0000 MHz	400KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 256 KBPS
14000.0000 - 14500.0000 MHz	691KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 256 KBPS
14000.0000 - 14500.0000 MHz	480KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 307 KBPS
14000.0000 - 14500.0000 MHz	829KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 307 KBPS
14000.0000 - 14500.0000 MHz	600KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 384 KBPS
14000.0000 - 14500.0000 MHz	800KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 512 KBPS
14000.0000 - 14500.0000 MHz	959KG7D	46.40 dBW	MODULATION: PSK. DATA RATE: 614 KBPS
14000.0000 - 14500.0000 MHz	1M60G7D	46.40 dBW	MODULATION: PSK. DATA RATE: 1,024 KBPS
11700.0000 - 12200.0000 MHz	4M00G7D-		DVB/MPE DATA FROM HUB STATION
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB STATION

SITE ID: REM 1.8

LOCATION: VSAT (1,500 1.8-M ANTENNAS), CONUS, AK, HI, VI, PR

ANTENNA ID: 1.8

1.8 meters

PATRIOT

TXFCC180KU

14000.0000 - 14500.0000 MHz	120KG7D	47.80 dBW	MODULATION: PSK. DATA RATE: 77 KBPS
14000.0000 - 14500.0000 MHz	208KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 77 KBPS
14000.0000 - 14500.0000 MHz	200KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 128 KBPS
14000.0000 - 14500.0000 MHz	346KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 128 KBPS
14000.0000 - 14500.0000 MHz	241KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 154 KBPS
14000.0000 - 14500.0000 MHz	416KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 154 KBPS
14000.0000 - 14500.0000 MHz	400KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 256 KBPS
14000.0000 - 14500.0000 MHz	691KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 256 KBPS
14000.0000 - 14500.0000 MHz	480KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 307 KBPS
14000.0000 - 14500.0000 MHz	829KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 307 KBPS
14000.0000 - 14500.0000 MHz	600KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 384 KBPS
14000.0000 - 14500.0000 MHz	800KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 512 KBPS
14000.0000 - 14500.0000 MHz	959KG7D	50.00 dBW	MODULATION: PSK. DATA RATE: 614 KBPS
14000.0000 - 14500.0000 MHz	1M60G7D	50.00 dBW	MODULATION: PSK. DATA RATE: 1,024 KBPS
14000.0000 - 14500.0000 MHz	2M41G7D	50.00 dBW	MODULATION: PSK. DATA RATE: 1,544 KBPS
11700.0000 - 12200.0000 MHz	4M00G7D-		DVB/MPE DATA FROM HUB STATION
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB STATION

SITE ID: REM CM12

LOCATION: CONUS, AK, HI, PR, US V.I. (5,000 1.2 meter antennas)

ANTENNA ID:	REM CM12	1.2 meters	CHANNEL MASTER	123/124
	14000.0000 - 14500.0000 MHz	1M60G7D	49.30 dBW	QPSK - DATA
	11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPD DATA FROM HUB 1
	14000.0000 - 14500.0000 MHz	800KG7D	49.30 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	400KG7D	49.30 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	200KG7D	46.30 dBW	QPSK - DATA

SITE ID: REM PR12
LOCATION: CONUS, AK, HI, PR, US V.I.

ANTENNA ID:	REM PR12	1.2 meters	PRODELIN	1134
	14000.0000 - 14500.0000 MHz	1M60G7D	49.00 dBW	QPSK - DATA
	11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1
	14000.0000 - 14500.0000 MHz	800KG7D	49.00 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	400KG7D	49.00 dBW	QPSK - DATA

SITE ID: REM CM18
LOCATION: CONUS, AK, HI, PR, US V.I.

ANTENNA ID:	REM CM18	1.8 meters	CHANNEL MASTER	180TX
	11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1
	14000.0000 - 14500.0000 MHz	1M60G7D	52.80 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	800KG7D	52.80 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	400KG7D	52.80 dBW	QPSK - DATA
	14000.0000 - 14500.0000 MHz	200KG7D	49.80 dBW	QPSK - DATA

SITE ID: REM PR18B
LOCATION: CONUS, AK, HI, PR, US V.I. (2,500 1.8 meter antennas)

ANTENNA ID:	REM PR18	1.8 meters	PRODELIN	180TX
	11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1
	14000.0000 - 14500.0000 MHz	1M60G7D	52.50 dBW	QPSK - DATA

14000.0000 - 14500.0000 MHz	800KG7D	52.50 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	400KG7D	52.50 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	200KG7D	49.50 dBW	QPSK - DATA

SITE ID: REM PR24

LOCATION: CONUS, AK, HI, PR, US V.I. (1,500 1.8 meter antennas)

ANTENNA ID: REM PR24	2.4 meters	PRODELIN	1251
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1
14000.0000 - 14500.0000 MHz	1M60G7D	55.30 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	800KG7D	55.30 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	400KG7D	55.30 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	200KG7D	52.30 dBW	QPSK - DATA

SITE ID: REM CM24

LOCATION: CONUS, AK, HI, PR, US V.I. (250 2.4 meter antennas)

ANTENNA ID: REM CM24	2.4 meters	CHANNEL MASTER	224KU
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1
14000.0000 - 14500.0000 MHz	1M60G7D	55.20 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	800KG7D	55.20 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	400KG7D	55.20 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	200KG7D	52.20 dBW	QPSK - DATA

Points of Communication:

- 1HUB - ALSAT - (ALSAT)
- REM 1.0 - GALAXY III-C - (95 W.L.)
- REM 1.2 - ALSAT - (ALSAT)
- REM 1.8 - ALSAT - (ALSAT)
- REM CM12 - ALSAT - (ALSAT)
- REM CM18 - ALSAT - (ALSAT)

REM CM24 - ALSAT - (ALSAT)

REM CM96 - GALAXY III-C - (95 W.L.)

REM PR12 - ALSAT - (ALSAT)

REM PR18B - ALSAT - (ALSAT)

REM PR24 - ALSAT - (ALSAT)

REM PR98 - GALAXY III-C - (95 W.L.)

SES-MS-20020111-00074 P

Pegasus Development Corporation

Miscellaneous Filing

Grant of Authority

Date Effective: 03/31/2004

Class of Station:

This waiver request is granted by letter reference no. 86-285, dated March 28, 2002, by the Office of Managing Director. This waiver request is related to the Order DA 04-909, released March 31, 2004.

Points of Communication:

SES-REG-20040213-00217 E E040081 TROY STATE UNIVERSITY

Registration

02/13/2004 - 02/13/2019

Grant of Authority

Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: WALLACE HALL (WTSU-FM), PIKE, TROY, AL

31 ° 48 ' 5.00 " N LAT.

85 ° 57 ' 28.00 " 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-REG-20040213-00218 E E040082

CALIFORNIA STATE UNIVERSITY LONG BEACH FOUNDATION

Registration

02/13/2004 - 02/13/2019

Grant of Authority

Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1250 NORTH BELLFLOWER BLVD. (KKJZ-FM), LOS ANGELES, LONG BEACH, CA
33 ° 46 ' 40.70 " N LAT. 118 ° 6 ' 52.30 " 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-REG-20040213-00219 E E040083 THE REGENTS OF THE UNIVERSITY OF MICHIGAN

Registration 02/13/2004 - 02/13/2019

Grant of Authority Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 535 WEST WILLIAM STREET, SUITE 110 (WUOM-FM), WASHTENAW, ANN ARBOR, MI
42 ° 16 ' 40.00 " N LAT. 83 ° 45 ' 16.00 " W LONG.

ANTENNA ID: 3.7 M. 3.7 meters PRODELIN CORPORATION 136-750

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-20040213-00220 E E040084 YOUNGSTOWN STATE UNIVERSITY/WYSU-FM

Registration 02/13/2004 - 02/13/2019

Grant of Authority Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: ONE UNIVERSITY PLAZA (WYSU-FM), MAHONING, YOUNGSTOWN, OH
41 ° 6 ' 22.40 " N LAT. 80 ° 38 ' 59.00 " W LONG.

ANTENNA ID: 3.7M. 3.7 meters PRODELIN CORPORATION 3.7 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-REG-20040213-00229 E E040087 GEORGIA PUBLIC TELECOMMUNICATIONS COMMISSION
Registration 02/13/2004 - 02/13/2019
Grant of Authority Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 12 OCEAN SCIENCE CIRCLE (WSVH), BRYAN, SAVANNAH, GA
32 ° 3 ' 32.00 " N LAT. 81 ° 17 ' 57.00 " W LONG.

ANTENNA ID: 1 3.7 meters PRODELIN CORPORATION 1374
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-20040216-00230 E E040088 BOARD OF TRUSTEES, JACKSONVILLE STATE UNIVERSITY
Registration 02/16/2004 - 02/16/2019
Grant of Authority Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 217 SELF HALL (WLJS-FM), CALHOUN, JACKSONVILLE, AL
33 ° 49 ' 28.70 " N LAT. 85 ° 46 ' 9.40 " W LONG.

ANTENNA ID: 3.8 M. 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-20040217-00231 E E040089 WASHINGTON STATE UNIVERSITY

Registration 02/17/2004 - 02/17/2019

Grant of Authority Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: DAIRY ROAD (KWSU), WHITMAN, PULLMAN, WA
46 ° 43 ' 36.50 " N LAT. 117 ° 8 ' 50.00 " W LONG.

ANTENNA ID: 3.8M. 3.8 meters COMTECH 3.8 METER

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-REG-20040218-00239 E E040091 PUBLIC BROADCASTING FOUNDATION OF NORTHWEST OHIO

Registration 02/18/2004 - 02/18/2019

Grant of Authority Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1270 SOUTH DETROIT AVENUE (WGTE-FM), LUCAS, TOLEDO, OH
41 ° 36 ' 55.70 " N LAT. 83 ° 36 ' 7.80 " 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-20040218-00240 E E040092 TEXAS TECH UNIVERSITY

Registration

02/18/2004 - 02/18/2019

Grant of Authority

Date Effective: 03/31/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 2422 20th STREET (KOHM-FM), LUBBOCK, LUBBOCK, TX

33 ° 34 ' 36.30 " N LAT.

101 ° 52 ' 8.80 " 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-20040220-00251 E E040098 EAST STROUDSBURG UNIVERSITY OF PA. STATE SYSTEM OF HIGHER
EDUCATION

Registration

02/20/2004 - 02/20/2019

Grant of Authority

Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: MCGARRY COMMUNICATIONS BLDG. (WESS) CENTRE STREET, MONROE, EAST STROUDSBURG, PA

40 ° 59 ' 41.00 " N LAT.

75 ° 10 ' 25.40 " W LONG.

ANTENNA ID: 1

3.8 meters

COMTECH ANTENNA SYSTEMS 3.8 METER PF

3700.0000 - 4200.0000 MHz

10M3G7W

DIGITAL AUDIO CARRIER

3700.0000 - 4200.0000 MHz

30K0F1D

DIGITAL AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040220-00256 E E040100 NEVADA CITY COMMUNITY BROADCAST GROUP

Registration 02/20/2004 - 02/20/2019

Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 401 SPRING STREET (KVMR) CITY HALL, NEVADA, NEVADA CITY, CA
39 ° 15 ' 45.30 " N LAT. 121 ° 1 ' 10.00 " 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 AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040223-00263 E E040101 HUTCHINSON COMMUNITY COLLEGE - RADIO KANSAS

Registration 02/23/2004 - 02/23/2019

Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 815 NORTH WALNUT (KHCC-FM), RENO, HUTCHINSON, KS
38 ° 3 ' 44.00 " N LAT. 97 ° 55 ' 50.00 " 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-20040223-00264 E E040102 CONSOLIDATED COMMUNICATIONS TELECOM SERVICES, INC.
Registration 02/23/2004 - 02/23/2019
Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 805 7TH STREET, COLES, CHARLESTON, IL
39 ° 29 ' 28.70 " N LAT. 88 ° 10 ' 23.80 " W LONG.

ANTENNA ID: 1 5 meters ANTENNA TECH CORP SIMULSAT 5M
3700.0000 - 4200.0000 MHz 36M0F8W ANALOG VIDEO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040224-00265 E E040103 PITTSBURGH COMMUNITY BROADCASTING CORP.
Registration 02/24/2004 - 02/24/2019
Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 2313 EAST CARSON STREET (WYEP-FM), ALLEGHENY, PITTSBURGH, PA
40 ° 25 ' 42.00 " N LAT. 79 ° 58 ' 20.00 " W LONG.

ANTENNA ID: 1 3.7 meters PRODELIN CORPORATION 3.7 M
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-REG-20040225-00285 E E040107 WHITE ASH BROADCASTING, INC.
Registration 02/25/2004 - 02/25/2019
Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 3437 W. SHAW AVE. (KVPR), FRESNO, FRESNO, CA
36 ° 48 ' 16.00 " N LAT. 119 ° 51 ' 12.70 " 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 AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040225-00286 E E040108 SYRACUSE UNIVERSITY
Registration 02/25/2004 - 02/25/2019
Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 215 UNIVERSITY PLACE (WAER-FM), ONONDAGA, SYRACUSE, NY
43 ° 2 ' 25.20 " N LAT. 76 ° 8 ' 8.70 " 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 AUDIO CARRIER

3700.0000 - 4200.0000 MHz 30K0F1D 0.00 dBW DIGITAL BROADCAST AUDIO CARRIER

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20040226-00288 E E040110 WGLT, ILLINOIS STATE UNIVERSITY
Registration 02/26/2004 - 02/26/2019
Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 310 OLD UNION BLDG. (WGLT-FM), MCLEAN, NORMAL, IL
40 ° 30 ' 31.00 " N LAT. 88 ° 59 ' 23.00 " W LONG.

ANTENNA ID: 1 3.7 meters PRODELIN CORPORATION 136-750

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-20040227-00289 E E040111 UNIVERSITY OF SOUTHERN CALIFORNIA
Registration 02/27/2004 - 02/27/2019
Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 515 SOUTH FIGUEROA STREET (KUSC-FM), ORANGE, LOS ANGELES, CA
34 ° 3 ' 6.00 " N LAT. 118 ° 15 ' 28.00 " W LONG.

ANTENNA ID: 1 3.8 meters PATRIOT ANTENNA SYSTEM PRT-380AZ

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-20040227-00291 E E040113 VIRGINIA TECH FOUNDATION, INC.
Registration 02/27/2004 - 02/27/2019
Grant of Authority Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 3520 KINGSBURY LANE (WVTF-FM), ROANOKE, ROANOKE, VA
37 ° 14 ' 22.10 " N LAT. 79 ° 58 ' 10.00 " 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-20040227-00292 E E040114 UNIVERSITY OF UTAH

Registration

02/27/2004 - 02/27/2019

Grant of Authority

Date Effective: 04/05/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 101 SOUTH WASATCH DRIVE (KUER-FM), SALT LAKE, SALT LAKE CITY, UT
40 ° 46 ' 3.20 " N LAT. 111 ° 50 ' 17.90 " W LONG.

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

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-RWL-20040312-00476 E E6282 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC

Renewal

03/30/2004 - 03/30/2019

Grant of Authority

Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 10322 Auburn Road, WINNEBAGO, ROCKFORD, IL
42 ° 17 ' 46.00 " N LAT. 89 ° 14 ' 21.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS CORP. 5346

14000.0000 - 14500.0000 MHz 112KG1D 55.00 dBW

14000.0000 - 14500.0000 MHz 36M0F3W 77.90 dBW

11700.0000 - 12200.0000 MHz 36M0F3W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040312-00477 E E6219 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 10000 PERKINS ROAD, E BATON ROUGE, BATON ROUGE, LA
30 ° 22 ' 36.00 " N LAT. 91 ° 5 ' 48.00 " W LONG.

ANTENNA ID: 1	8 meters	HARRIS	5349
14000.0000 - 14500.0000 MHz	112KG1D	59.10 dBW	56 KBPS KBSK 1/2 FEC 112 KBPS TRANSMISSION RATE
14000.0000 - 14500.0000 MHz	36M0F3W	81.10 dBW	FM NTSC VIDEO WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	112KG1D		56 KBPS KBSK 1/2 FEC 112 KBPS TRANSMISSION RATE
11700.0000 - 12200.0000 MHz	36M0F3W		FM NTSC VIDEO WITH ASSOCIATED AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040312-00478 E E6218 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1015 S. FILLMORE STREET, POTTER, AMARILLO, TX
35 ° 12 ' 11.00 " N LAT. 101 ° 50 ' 4.00 " W LONG.

ANTENNA ID: 1	6.1 meters	HARRIS	5346
14000.0000 - 14500.0000 MHz	112KG1D	56.50 dBW	56 KBPS BPSK 1/2 FEC, 112 KBPS TRANSMISSION RATE
14000.0000 - 14500.0000 MHz	36M0F3W	78.50 dBW	FM NTSC VIDEO WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	36M0F3W		FM NTSC VIDEO WITH ASSOCIATED AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040312-00479 E E6217 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 4 BROADCAST PLAZA, SW, BERNALILLO, ALBUQUERQUE, NM

35 ° 4 ' 57.00 " N LAT.

106 ° 39 ' 53.00 " 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-20040312-00480 E E6793 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 3719 CENTRAL AVENUE, LEE, FORT MYERS, FL
26 ° 36 ' 29.00 " N LAT. 81 ° 51 ' 46.00 " W LONG.

ANTENNA ID: 1	8 meters	HARRIS	5349
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-20040312-00481	E E6322	ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal		03/30/2004 - 03/30/2019
Grant of Authority		Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 801 N. OREGON STREET, EL PASO, EL PASO, TX
31 ° 45 ' 45.00 " N LAT. 106 ° 29 ' 30.00 " 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-20040312-00482	E E6231	ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal		03/30/2004 - 03/30/2019
Grant of Authority		Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 12 EAST DELANO AVENUE, MONTGOMERY, MONTGOMERY, AL
32 ° 20 ' 12.00 " N LAT. 86 ° 18 ' 28.00 " W LONG.

ANTENNA ID: 1	8 meters	HARRIS	5349
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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	258KG1D		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
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11700.0000 - 12200.0000 MHz	36M0G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
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Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040312-00483	E E6358	ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal		03/30/2004 - 03/30/2019
Grant of Authority		Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 661 AZALEA ROAD, MOBILE, MOBILE, AL
30 ° 39 ' 24.00 " N LAT.

88 ° 8 ' 33.00 " W LONG.

ANTENNA ID: 1	8 meters	HARRIS CORP.	5349
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14000.0000 - 14500.0000 MHz	112KG1D	57.00 dBW	PSK PRIVATE DATA
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14000.0000 - 14500.0000 MHz	36M0F8F	78.00 dBW	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
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14000.0000 - 14500.0000 MHz	4M00G7F	70.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
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14000.0000 - 14500.0000 MHz	36M0G7F	78.00 dBW	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
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11700.0000 - 12200.0000 MHz	36M0F8F	ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
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11700.0000 - 12200.0000 MHz	256KG1D	PSK PRIVATE DATA
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11700.0000 - 12200.0000 MHz	4M00G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
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11700.0000 - 12200.0000 MHz	36M0G7F	PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA
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Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040312-00484 E E6252 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 720 E. CAPITOL DRIVE, MILWAUKEE, MILWAUKEE, WI
43 ° 5 ' 26.00 " N LAT. 87 ° 54 ' 7.00 " W LONG.

ANTENNA ID: 1	6.1 meters	HARRIS CORP.	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	36M0F8F		ANALOG VIDEO W/ASSOC AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	256KG1D		PSK PRIVATE DATA
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-20040312-00485 E E6232 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1101 N. CENTRAL AVENUE, MARICOPA, PHOENIX, AZ
33 ° 27 ' 38.00 " N LAT. 112 ° 4 ' 20.00 " 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	36M0F7F	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 - 20040312 - 00486	E E6254	ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal		03/30/2004 - 03/30/2019
Grant of Authority		Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 55 NORTH 300 WEST, SALT LAKE, SALT LAKE CITY, UT
40 ° 46 ' 13.00 " N LAT. 111 ° 53 ' 58.00 " W LONG.

ANTENNA ID: 1	6.1 meters	HARRIS CORP.	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	4M00G7F		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	36M0G7F		PSK DIGITAL VIDEO WITH ASSOC. DIGITAL AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040312-00487	E E6283	ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal		03/30/2004 - 03/30/2019
Grant of Authority		Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: CADD0, SHREVEPORT, LA
 32 ° 33 ' 40.00 " N LAT. 93 ° 47 ' 4.00 " W LONG.

ANTENNA ID: 1 8 meters HARRIS CORP. MODEL 5 349

14000.0000 - 14500.0000 MHz	112F9Y	57.10 dBW
14000.0000 - 14500.0000 MHz	36000F9	80.00 dBW
11700.0000 - 12200.0000 MHz	36000F9	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040312-00488	E E6255	ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal		03/30/2004 - 03/30/2019
Grant of Authority		Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: LINCOLN, NORTH PLATTE, NE
41 ° 12 ' 17.00 " N LAT. 100 ° 44 ' 33.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS CORP. MODEL N O. 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-20040312-00489 E E6321 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: ADAMS, QUINCY, IL
39 ° 57 ' 0.00 " N LAT. 91 ° 24 ' 26.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS CORPORATION M ODEL NO. 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-20040312-00490 E E6284 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: TRAVIS, AUSTIN, TX
30 ° 17 ' 0.00 " N LAT. 97 ° 44 ' 51.00 " W LONG.

ANTENNA ID: 1 8 meters HARRIS CORP. MODEL 5 349

14000.0000 - 14500.0000 MHz 112F9Y 57.10 dBW

14000.0000 - 14500.0000 MHz 36000F9 80.00 dBW

11700.0000 - 12200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040312-00491 E E6267 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: DANE, MADISON, WI
43 ° 3 ' 3.00 " N LAT. 89 ° 29 ' 13.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS CORP 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-20040312-00492 E E6256 ASCENT MEDIA SYSTEMS AND TECHNOLOGY SERVICES, LLC
Renewal 03/30/2004 - 03/30/2019
Grant of Authority Date Effective: 04/01/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: ADAMS, HASTINGS, NE
40 ° 38 ' 57.00 " N LAT. 98 ° 23 ' 2.00 " W LONG.

ANTENNA ID: 1	6.1 meters	IS CORP. MODEL NO. 5	346
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-20040318-00474	P	E940197	ABC Radio Network, Inc.	
Renewal				04/15/2004 - 04/15/2019
Grant of Authority				Date Effective: 04/02/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 13725 MONTFORT DRIVE, DALLAS, DALLAS, TX
32 ° 56 ' 8.00 " N LAT. 96 ° 48 ' 58.00 " W LONG.

ANTENNA ID: 1	4.5 meters	ANDREW	ESA45MP-1
5925.0000 - 6425.0000 MHz	1M85G7D	67.60 dBW	DIGITAL AUDIO, DATA, & VOICE
5925.0000 - 6425.0000 MHz	200KG7D	58.00 dBW	DIGITAL AUDIO, DATA, & VOICE
5925.0000 - 6425.0000 MHz	200KF3F	58.00 dBW	ANALOG AUDIO
5925.0000 - 6425.0000 MHz	9M00G7W	74.50 dBW	DIGITAL AUDIO, DATA, & VOICE
5925.0000 - 6425.0000 MHz	4M50G7W	71.50 dBW	DIGITAL AUDIO, DATA, & VOICE
5925.0000 - 6425.0000 MHz	1M85G7W	67.60 dBW	DIGITAL AUDIO, DATA, & VOICE
5925.0000 - 6425.0000 MHz	12M7G7W	74.50 dBW	DIGITAL AUDIO, DATA, & VOICE
5925.0000 - 6425.0000 MHz	18M0G7W	74.50 dBW	DIGITAL AUDIO, DATA, & VOICE
5925.0000 - 6425.0000 MHz	27M0G7W	74.50 dBW	DIGITAL AUDIO, DATA, & VOICE
3700.0000 - 4200.0000 MHz	1M85G7D		DIGITAL AUDIO, DATA, & VOICE

3700.0000 - 4200.0000 MHz	200KG7D		DIGITAL AUDIO, DATA, & VOICE
3700.0000 - 4200.0000 MHz	200KF3F		ANALOG AUDIO
3700.0000 - 4200.0000 MHz	9M00G7W		DIGITAL AUDIO, DATA, & VOICE
3700.0000 - 4200.0000 MHz	4M50G7W		DIGITAL AUDIO, DATA, & VOICE
3700.0000 - 4200.0000 MHz	1M85G7W		DIGITAL AUDIO, DATA, & VOICE
3700.0000 - 4200.0000 MHz	36M0G7W	0.00 dBW	DIGITAL AUDIO, DATA, & VOICE

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040325-00504 P E940167 Sure Shot Transmission, Inc.

Renewal

03/25/2004 - 03/25/2019

Grant of Authority

Date Effective: 04/06/2004

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: VARIOUS

ANTENNA ID: 1 3.7 meters ANDREW ESA37-124A

14000.0000 - 14500.0000 MHz 36M0F9W 78.00 dBW

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040402-00498 E E7102 COX COMMUNICATIONS LAS VEGAS, INC.

Renewal

05/04/2004 - 05/04/2019

Grant of Authority

Date Effective: 04/06/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: CLARK, LAS VEGAS, NV

36 ° 8 ' 12.00 " N LAT.

115 ° 0 ' 44.00 " W LONG.

ANTENNA ID: 1 5 meters SIMULSAT

3700.0000 - 4200.0000 MHz 36000F9

3700.0000 - 4200.0000 MHz 36000F9

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040402-00499 E E940277 COMCAST CABLE OF INDIANA/MICHIGAN/TEXAS, INC.

Renewal

04/18/2004 - 04/18/2019

Grant of Authority

Date Effective: 04/06/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 5249 GLEN OAKS DR.,(STONEBRIDGE RANCH), COLLIN, MCKINNEY, TX

33 ° 11 ' 2.00 " N LAT.

96 ° 41 ' 29.00 " W LONG.

ANTENNA ID:	1	4.5 meters	SCIENTIFIC-ATLANTA	8345 4.5 METER
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3700.0000 - 4200.0000 MHz 36M0F8W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040402-00500 E WX24 COMCAST OF MARYLAND, INC.

Renewal

05/18/2004 - 05/18/2019

Grant of Authority

Date Effective: 04/06/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: ANNE ARUNDEL, MILLERSVILLE, MD

39 ° 2 ' 42.00 " N LAT.

76 ° 39 ' 55.00 " W LONG.

ANTENNA ID: 1 4.6 meters SCIENTIFIC ATLANTA 8005

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20040402-00501 E WT78 Comcast of Michigan, LLC

Renewal

05/18/2004 - 05/18/2019

Grant of Authority

Date Effective: 04/06/2004

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: ST. CLAIR, PORT HURON, MI

42 ° 59 ' 20.00 " N LAT.

82 ° 29 ' 10.00 " W LONG.

ANTENNA ID: 1

5 meters

SCIENTIFIC ATLANTA

8008B

3700.0000 - 4200.0000 MHz

36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

CORRECTIONS

SES-MOD-20040308-00337 E9462 KUTV Holdings, Inc.

Application appeared by mistake on actions taken public notice dated March 24, 2004.

INFORMATIVE

SES-LIC-19960531-01064 E960325 PanAmSat Licensee Corp.

Licensee has surrendered license, per letter dated March 24, 2004.

SES-LIC-20001013-01979 E000646 FRANKLIN COMMUNICATIONS, INC.

Licensee has surrendered license, per letter dated March 26, 2004.

SES-LIC-20011220-02352 E010335 GCI Communication Corp.

Licensee has surrendered license, per letter dated February 20, 2004.

SES-RWL-19991129-02143 WV78 CHARTER COMMUNICATIONS, L.L.C.

Licensee has surrendered license, per letter dated March 01, 2004.

SES-RWL-20000915-01732 E900555 KOCH INDUSTRIES

Licensee has surrendered license, per letter dated March 24, 2004.

SES-RWL-20020619-00990 KR63 COXCOM, INC.

Licensee has surrendered license, per letter dated March 17, 2004.

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