



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01154

Wednesday July 8, 2009

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-ASG-20090324-00365 E E910288 KDBC License, LLC
 Application for Consent to Assignment
 Grant of Authority Date Effective: 07/06/2009

Current Licensee: KDBC License, LLC
FROM: KDBC LICENSE, LLC
TO: TTBG/KDBC License Sub, LLC

No. of Station(s) listed: 1

SES-LIC-20090521-00640 E E090090 HARRIS CORPORATION
 Application for Authority 07/07/2009 - 07/07/2024
 Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 1025 WEST NASA BLVD. HUB13 (3.0M.), BREVARD, MELBOURNE, FL
 28 ° 5 ' 22.60 " N LAT. 80 ° 38 ' 19.10 " W LONG.

ANTENNA ID: 1 HUB 13	3 meters	SUMON	SM-T3.0R
14000.0000 - 14500.0000 MHz	256KG7D	42.80 dBW	BPSK, QPSK AND/OR 8PSK FOR DATA
11700.0000 - 12200.0000 MHz	256KG7D		BPSK, QPSK AND/OR 8PSK FOR DATA

SITE ID: 2
 LOCATION: 1025 WEST NASA BLVD. HUB15 (2.4M.), BREVARD, MELBOURNE, FL
 28 ° 5 ' 22.70 " N LAT. 80 ° 38 ' 18.90 " W LONG.

ANTENNA ID: 1 HUB 15	2.4 meters	PRODELIN	SERIES 1251
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14000.0000 - 14500.0000 MHz	256KG7D	42.80 dBW	BPSK, QPSK AND/OR 8PSK FOR DATA
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11700.0000 - 12200.0000 MHz	256KG7D		BPSK, QPSK AND/OR 8PSK FOR DATA
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Points of Communication:

1 - ALSAT - (ALSAT)

2 - ALSAT - (ALSAT)

SES-MFS-20090406-00418	E KA278	Hawaii Teleport Holdings, LLC	03/27/2000 - 03/27/2010
Modification			Date Effective: 07/01/2009
Grant of Authority			

Class of Station: Fixed Earth Stations

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

SITE ID: Kapolei
LOCATION: 91-340 Farrington Highway, HONOLULU, Kapolei, HI
21 ° 20 ' 12.00 " N LAT. 158 ° 5 ' 25.10 " W LONG.

ANTENNA ID: 1	15.5 meters	UAI (INTELSAT Standard A)	1155C
5925.0000 - 6425.0000 MHz	30M0F3F	85.10 dBW	TV with associated audio
3700.0000 - 4200.0000 MHz	2M05G7E		QPSK, IDR for Digital International telephony
3700.0000 - 4200.0000 MHz	30M0F3F		TV with associated audio
5925.0000 - 6425.0000 MHz	1M54G7E	71.60 dBW	(IBS) DIGITAL MODULATION QPSK OR OTHER DIGITAL TYPE
5925.0000 - 6425.0000 MHz	45K0G1E	66.50 dBW	(SCPC) DIGITAL MODULATION QPSK OR OTHER DIGITAL TYPE
5925.0000 - 6425.0000 MHz	2M05G7E	80.30 dBW	QPSK, IDR for Digital International telephony
3700.0000 - 4200.0000 MHz	2M05G7E		Digital Data, Various FEC, Various Mod., Various Information
3700.0000 - 4200.0000 MHz	36M0G7W		Digital Data, Various FEC, Various Mod., Various Information
3700.0000 - 4200.0000 MHz	51K2G7W		Digital Data, Various FEC, Various Mod., Various Information
5925.0000 - 6425.0000 MHz	1M54G7E	71.65 dBW	Digital Data, Various FEC, Various Mod., Various Information
5925.0000 - 6425.0000 MHz	2M05G7E	80.30 dBW	Digital Data, Various FEC, Various Mod., Various Information

5925.0000 - 6425.0000 MHz	36M0G7W	85.00 dBW	Digital Data, Various FEC, Various Mod., Various Information
5925.0000 - 6425.0000 MHz	45K0G1E	65.82 dBW	Digital Data, Various FEC, Various Mod., Various Information
5925.0000 - 6425.0000 MHz	51K2G7W	56.62 dBW	Digital Data, Various FEC, Various Mod., Various Information

Points of Communication:

Kapolei - ALSAT - (ALSAT)

Kapolei - INTELSAT POR - (180.0 E.L.)

SES-MOD-20090402-00403 E E990127 Tachyon Networks Incorporated.
 Application for Modification 06/15/2009 - 06/15/2024
 Grant of Authority Date Effective: 07/06/2009

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: HUB 1
 LOCATION: 5808 PACIFIC CENTER BLVD. (6.3 METER HUB), SAN DIEGO, SAN DIEGO, CA
 32 ° 54 ' 18.70 " N LAT. 117 ° 11 ' 40.20 " W LONG.

ANTENNA ID:	HUB 6.3M	6.3 meters	PRODELIN	975-2018
	14000.0000 - 14500.0000 MHz	20M0G7W	78.30 dBW	QPSK, MULTIMEDIA
	14000.0000 - 14500.0000 MHz	42M0G7W	78.30 dBW	QPSK, MULTIMEDIA
	11700.0000 - 12200.0000 MHz	20M0G7W		QPSK, MULTIMEDIA
	11700.0000 - 12200.0000 MHz	42M0G7W		QPSK, MULTIMEDIA

SITE ID: REMOTE 1
 LOCATION: (10,000) 1.2-METER REMOTE UNITS, CONUS
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	REMOTE1.2	1.2 meters	PRODELIN	1134
	14000.0000 - 14500.0000 MHz	316KG7W	47.20 dBW	QPSK OR OQPSK, MULTIMEDIA
	11700.0000 - 12200.0000 MHz	316KG7W		QPSK OR OQPSK, MULTIMEDIA

SITE ID: REMOTE 2
 LOCATION: (20,000) 0.95-METER REMOTE UNITS, CONUS
 0 ° 0 ' 0.00 " N LAT. 0 ° 0 ' 0.00 " W LONG.

ANTENNA ID:	REMOTE.95	0.95 meters	PRODELIN 95CM	1952
	14000.0000 - 14500.0000 MHz	316KG7W	45.00 dBW	QPSK OR OQPSK, MULTIMEDIA

11700.0000 - 12200.0000 MHz	316KG7W		QPSK OR OQPSK, MULTIMEDIA
SITE ID: REMOTE 7			
LOCATION: 5808 CENTURY BOULEVARD (10,000 UNITS) 1.2 METER REMOTES, SAN DIEGO, SAN DIEGO, CA			
32 ° 53 ' 17.50 " N LAT.		117 ° 11 ' 11.10 " W LONG.	
ANTENNA ID: REMOTE A7	1.2 meters	PRODELIN	1132
14000.0000 - 14500.0000 MHz	316KG7W	47.20 dBW	QPSK OR OQPSK, MULTIMEDIA
11700.0000 - 12200.0000 MHz	316KG7W		QPSK OR OQPSK, MULTIMEDIA
SITE ID: REMOTE 6			
LOCATION: 5808 CENTURY BOULEVARD, SAN DIEGO, SAN DIEGO, CA			
32 ° 53 ' 17.50 " N LAT.		117 ° 11 ' 11.10 " W LONG.	
ANTENNA ID: REMOTE 6	1.2 meters	PRODELIN	1132
14000.0000 - 14500.0000 MHz	316KG7W	47.20 dBW	QPSK OR OQPSK, MULTIMEDIA
11700.0000 - 12200.0000 MHz	316KG7W		QPSK OR OQPSK, MULTIMEDIA
SITE ID: REMOTE 5			
LOCATION: 5808 CENTURY BOULEVARD, SAN DIEGO, SAN DIEGO, CA			
32 ° 53 ' 17.50 " N LAT.		117 ° 11 ' 11.10 " W LONG.	
ANTENNA ID: REMOTE 5	1.2 meters	PRODELIN	1132
14000.0000 - 14500.0000 MHz	316KG7W	47.20 dBW	QPSK OR OQPSK, MULTIMEDIA
11700.0000 - 12200.0000 MHz	316KG7W		QPSK OR OQPSK, MULTIMEDIA
14000.0000 - 14500.0000 MHz	158KG7W	43.20 dBW	QPSK OR OQPSK, MULTIMEDIA DIGITAL DATA
14000.0000 - 14500.0000 MHz	79K0G7W	40.20 dBW	QPSK OR OQPSK, MULTIMEDIA DIGITAL DATA
14000.0000 - 14500.0000 MHz	316KG7W	45.30 dBW	QPSK OR OQPSK, MULTIMEDIA DIGITAL DATA
14000.0000 - 14500.0000 MHz	633KG7W	45.30 dBW	QPSK OR OQPSK, MULTIMEDIA DIGITAL DATA
SITE ID: REMOTE 4			
LOCATION: 5808 CENTURY BOULEVARD, SAN DIEGO, SAN DIEGO, CA			
32 ° 53 ' 17.50 " N LAT.		117 ° 11 ' 11.10 " W LONG.	
ANTENNA ID: REMOTE 4	1.2 meters	PRODELIN	1132
14000.0000 - 14500.0000 MHz	316KG7W	47.20 dBW	QPSK OR OQPSK, MULTIMEDIA
11700.0000 - 12200.0000 MHz	316KG7W		QPSK OR OQPSK, MULTIMEDIA

SITE ID: REMOTE 3
LOCATION: CONUS (10,000 UNITS) 1.2 METER

ANTENNA ID:	REMOTE 3	1.2 meters	VERTEX/RSI	QD,1139
	14000.0000 - 14500.0000 MHz		316KG7W 47.20 dBW	QPSK OR OQPSK, MULTIMEDIA
	11700.0000 - 12200.0000 MHz		316KG7W	QPSK OR OQPSK, MULTIMEDIA

SITE ID: REMOTE TF750
LOCATION: CONUS, AK, HI, PR, VI (.75cm 10,000 UNITS)

ANTENNA ID:	TF750	0.75 meters	AVL TECHNOLOGIES	750 iMoVSAT
	14000.0000 - 14500.0000 MHz		316KG7W 44.00 dBW	QPSK OR OQPSK, MULTIMEDIA
	11700.0000 - 12200.0000 MHz		316KG7W	QPSK OR OQPSK, MULTIMEDIA

SITE ID: TF 960
LOCATION: CONUS, AK, HI, PR, VI (.96 cm 10,000 UNITS)

ANTENNA ID:	REMOTE 5	0.96 meters	AVL TECHNOLOGIES	960 aVSAT
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Points of Communication:

HUB 1 - ALSAT - (ALSAT)
HUB 1 - ANIK E1 - (118.7 W.L.)
HUB 1 - ANIK E2 - (111.1 W.L.)
HUB 1 - SATMEX-5 - (116.8 W.L.)
REMOTE 1 - ALSAT - (ALSAT)
REMOTE 1 - ANIK E1 - (118.7 W.L.)
REMOTE 1 - ANIK E2 - (111.1 W.L.)
REMOTE 1 - SATMEX-5 - (116.8 W.L.)
REMOTE 2 - SATMEX-5 - (116.8 W.L.)
REMOTE 2 - TELSTAR 6 - (93 W.L.)
REMOTE 3 - ALSAT - (ALSAT)
REMOTE 4 - ALSAT - (ALSAT)
REMOTE 5 - ALSAT - (ALSAT)
REMOTE 6 - ALSAT - (ALSAT)
REMOTE 7 - ALSAT - (ALSAT)
REMOTE TF750 - AMC-4 (formerl GE-4 - (101 W.L.)

TF 960 - AMC-4 (formerl GE-4 - (101 W.L.))

SES-MOD-20090427-00521 E E020287 SES Americom, Inc.

Application for Modification

02/21/2003 - 02/21/2018

Grant of Authority

Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 58-350, KAMEHAMEHA HWY, COMCAST ROAD, HALEIWA, HI

21 ° 40 ' 16.50 " N LAT.

158 ° 1 ' 54.20 " W LONG.

ANTENNA ID:	1	11.1 meters	Vertex	11.1 KPC
	6423.0000 - 6424.0000 MHz	800KG7W	75.60 dBW	phase modulated digital data, telemetry and telecomm
	5926.0000 - 5927.0000 MHz	800KG7W	75.60 dBW	phase modulated digital data, telemetry and telecomm
	5925.0000 - 6425.0000 MHz	8M00G7D	78.30 dBW	phase modulated digital data, telemetry and telecomm
	4199.0000 - 4200.0000 MHz	800KG7W		phase modulated digital data, telemetry and telecomm
	3702.0000 - 3703.0000 MHz	800KG7W		phase modulated digital data, telemetry and telecomm
	3700.0000 - 4200.0000 MHz	8M00G7W		phase modulated digital data, telemetry and telecomm

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20090505-00549 E E000313 SES Americom, Inc.

Application for Modification

09/08/2000 - 09/08/2010

Grant of Authority

Date Effective: 07/06/2009

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 58-350 Kamehameha Hwy, Comsat Road, Haleiwa, HI

21 ° 40 ' 12.90 " N LAT.

158 ° 1 ' 55.90 " W LONG.

ANTENNA ID:	11M	11 meters	Vertex	11KPC
	5925.0000 - 6425.0000 MHz	30M0G7W	83.00 dBW	Digital Data/Video
	5925.0000 - 6425.0000 MHz	800KG7D	75.60 dBW	Digital Data

3700.0000 - 4200.0000 MHz	30M0G7W	Digital Data/Video
3700.0000 - 4200.0000 MHz	800KG7D	Digital Data

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20090515-00592	E E050283	WEST VIRGINIA EDUCATIONAL BROADCASTING AUTHORITY	11/28/2005 - 11/28/2020
Application for Modification			Date Effective: 07/07/2009
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 600 CAPITOL STREET, KANAWA, CHARLESTON, WV
 38 ° 21 ' 9.00 " N LAT. 81 ° 37 ' 46.00 " W LONG.

ANTENNA ID: C-5.5M.	5.5 meters	COMTECH "18FT" OFFSAT	847130-G2
6167.9000 - 6172.0000 MHz	230KG7W	55.00 dBW	DIGITAL TRAFFIC, QPSK, 1/2 FEC, VARIOUS INFORMATION, 192 KBPS
6108.6000 - 6137.6000 MHz	230KG7W	55.00 dBW	DIGITAL TRAFFIC, QPSK, 1/2 FEC, VARIOUS INFORMATION, 192 KBPS
5990.0000 - 6078.3000 MHz	230KG7W	55.00 dBW	DIGITAL TRAFFIC, QPSK, 1/2 FEC, VARIOUS INFORMATION, 192 KBPS
5925.0000 - 5930.0000 MHz	230KG7W	55.00 dBW	DIGITAL TRAFFIC, QPSK, 1/2 FEC, VARIOUS INFORMATION, 192 KBPS
3700.0000 - 4200.0000 MHz	230KG7W		DIGITAL TRAFFIC, QPSK, 1/2 FEC, VARIOUS INFORMATION, 192 KBPS
5925.0000 - 6048.0000 MHz	36M0G7W	71.44 dBW	DIGITAL DATA, VARIOUS FEC 3/4, 1/2 ETC. VARIOUS MOD. QPSK, ETC.
6079.0000 - 6211.0000 MHz	36M0G7W	71.44 dBW	DIGITAL DATA, VARIOUS FEC 3/4, 1/2 ETC. VARIOUS MOD. QPSK, ETC.
6242.0000 - 6425.0000 MHz	36M0G7W	71.44 dBW	DIGITAL DATA, VARIOUS FEC 3/4, 1/2 ETC. VARIOUS MOD. QPSK, ETC.
5925.0000 - 6048.0000 MHz	51K2G7W	42.97 dBW	DIGITAL DATA, VARIOUS FEC 3/4, 1/2 ETC. VARIOUS MOD. QPSK, ETC.
6079.0000 - 6211.0000 MHz	51K2G7W	42.97 dBW	DIGITAL DATA, VARIOUS FEC 3/4, 1/2 ETC. VARIOUS MOD. QPSK, ETC.
6242.0000 - 6425.0000 MHz	51K2G7W	42.97 dBW	DIGITAL DATA, VARIOUS FEC 3/4, 1/2 ETC. VARIOUS MOD. QPSK, ETC.

3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL DATA, VARIOUS FEC 3/4, 1/2 ETC. VARIOUS MOD. QPSK, ETC.
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3700.0000 - 4200.0000 MHz	51K2G7W	DIGITAL DATA, VARIOUS FEC 3/4, 1/2 ETC. VARIOUS MOD. QPSK, ETC.
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Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20090522-00648	E E920589	Mainstream Data, Inc.	10/23/2002 - 10/23/2017
Application for Modification			Date Effective: 07/06/2009
Grant of Authority			

Class of Station: VSAT Network

Nature of Service: 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
14000.0000 - 14500.0000 MHz	400KG7D	44.20 dBW		QPSK - DATA
14000.0000 - 14500.0000 MHz	200KG7D	44.20 dBW		QPSK - DATA
11700.0000 - 12200.0000 MHz	54M0G7D			DVB/MPE DATA FROM HUB 1

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
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
11700.0000 - 12200.0000 MHz	54M0G7D			DVB/MPD DATA FROM HUB 1

SITE ID: 1HUB

LOCATION: 375 CHIPETA WAY, SUITE 200 (7.6 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	7.6 meters	ANDREW	ESA76-4LPK
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
11700.0000 - 12200.0000 MHz	2M70G7W		QPSK DVB/MPE ENCAPSULTED IP DATA
11700.0000 - 12200.0000 MHz	3M38G7W		QPSK DVB/MPE ENCAPSULTED IP DATA

14000.0000 - 14500.0000 MHz	2M70G7W	71.10 dBW	QPSK DVB/MPE ENCAPSULTED IP DATA
14000.0000 - 14500.0000 MHz	3M38G7W	72.10 dBW	QPSK DVB/MPE ENCAPSULTED IP DATA
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
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
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPD DATA FROM HUB 1

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
14000.0000 - 14500.0000 MHz	800KG7D	49.00 dBW	QPSK - DATA
14000.0000 - 14500.0000 MHz	400KG7D	49.00 dBW	QPSK - DATA
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1

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

ANTENNA ID: REM CM18	1.8 meters	CHANNEL MASTER	180TX
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

11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1
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
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
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1

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
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
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1

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
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
11700.0000 - 12200.0000 MHz	54M0G7D		DVB/MPE DATA FROM HUB1

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-REG-20090521-00639 E E090089 Cox Communications Hampton Roads, LLC
 Registration 05/18/2009 - 05/18/2024
 Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 1341 Crossways, Blvd, Chesapeake, Chesapeake, VA
 36 ° 46 ' 23.40 " N LAT. 76 ° 14 ' 33.70 " W LONG.

ANTENNA ID:	1	3.8 meters	DAWNCO
	3700.0000 - 4200.0000 MHz	36M0F8W	DIGITAL
	3700.0000 - 4200.0000 MHz	4M00G7W	DIGITAL
	3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20090522-00641 E E090091 D&E SYSTEMS, INC.
 Registration 05/22/2009 - 05/22/2024
 Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 467 EAST BEAVER AVE, CENTRE, STATE COLLEGE, PA
 40 ° 47 ' 53.00 " N LAT. 77 ° 51 ' 16.00 " W LONG.

ANTENNA ID: 4.5M. 4.5 meters SCIENTIFIC-ATLANTA, INC. 8345 4.5 METER
3700.0000 - 4200.0000 MHz 36M0F8W DIGITAL VIDEO

Points of Communication:

1 - PERMITTED LIST - ()

SES-REG-20090522-00654 E E090092 Allo Communications
Registration 05/22/2009 - 05/22/2024
Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1710 E. 20th Street, Scottsbluff, Scottsbluff, NE
41 ° 51 ' 57.80 " N LAT. 103 ° 38 ' 29.30 " W LONG.

ANTENNA ID: A1 3.8 meters Patriot Ant. Systems 3.8M
3700.0000 - 4200.0000 MHz 2M00G7W Digital Video and Audio
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Audio

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20090601-00672 E E090094 Chesnee Cable, Inc.
Registration 05/30/2009 - 05/30/2024
Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Gaffney
LOCATION: 143 North Green River Road, Cherokee, Gaffney, SC
35 ° 7 ' 38.40 " N LAT. 81 ° 47 ' 17.30 " W LONG.

ANTENNA ID: A1 4.5 meters Scientific-Atlanta 4.5M
3700.0000 - 4200.0000 MHz 2M00G7W Digital Video and Audio
3700.0000 - 4200.0000 MHz 36M0G7W Digital Video and Audio

Points of Communication:

Gaffney - ALSAT - (ALSAT)

SES-RWL-20090630-00804 E E990310 EchoStar Corporation
Renewal 09/21/2009 - 09/21/2024
Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

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

SITE ID: 1
LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY
41 ° 7 ' 56.80 " N LAT. 104 ° 44 ' 11.20 " W LONG.

ANTENNA ID:	1	13.2 meters	TIW	13.2
17300.0000 - 17800.0000 MHz	24M0M1F	85.00 dBW	DIGITAL COMPRESSED VIDEO, FEC 3/4 (DBS)	
17300.0000 - 17800.0000 MHz	1M50G2D	89.10 dBW	TELEMETRY BEACON (TT&C)	
12200.0000 - 12700.0000 MHz	24M0M1F		DIGITAL COMPRESSED VIDEO, FEC 3/4 (DBS)	
12200.0000 - 12700.0000 MHz	1M50G2D		TELEMETRY BEACON (TT&C)	

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - ECHOSTAR 5 - (119 W.L.)
- 1 - ECHOSTAR 6 - (110 W.L.)

SES-RWL-20090630-00805 E E990309 EchoStar Corporation
Renewal 09/17/2009 - 09/17/2024
Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

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

SITE ID: 1
LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY
41 ° 7 ' 56.80 " N LAT. 104 ° 44 ' 11.20 " W LONG.

ANTENNA ID:	1	13.2 meters	TIW	13.2
17300.0000 - 17800.0000 MHz	24M0M1F	85.00 dBW	DIGITAL COMPRESSED VIDEO, FEC 3/4 (DBS)	
17300.0000 - 17800.0000 MHz	1M50G2D	89.10 dBW	TELEMETRY BEACON (TT&C)	
12200.0000 - 12700.0000 MHz	24M0M1F		DIGITAL COMPRESSED VIDEO, FEC 3/4 (DBS)	
12200.0000 - 12700.0000 MHz	1M50G2D		TELEMETRY BEACON (TT&C)	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20090630-00806 E E990139 EchoStar Corporation
Renewal 09/21/2009 - 09/21/2024
Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

SITE ID: CHEYENNE

LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY

41 ° 7 ' 56.85 " N LAT.

104 ° 44 ' 12.20 " W LONG.

ANTENNA ID:	T12	13.2 meters	TIW	13.2M
	17790.0000 - 17899.0000 MHz	1M50G2D	87.40 dBW	TELEMETRY BEACON
	17790.0000 - 17800.0000 MHz	800KG2D	86.41 dBW	TT&C
	17301.0000 - 17302.0000 MHz	1M50G2D	87.40 dBW	TELEMETRY BEACON (TT&C)
	17300.0000 - 17800.0000 MHz	24M0G1W	85.00 dBW	DIGITAL VIDEO, FEC 3/4 (DBS)
	17300.0000 - 17800.0000 MHz	24M0G7W	85.00 dBW	TT&C
	17300.0000 - 17310.0000 MHz	800KG2D	86.41 dBW	TT&C
	17300.0000 - 17310.0000 MHz	1M50G2D	87.40 dBW	TELEMETRY BEACON
	12690.0000 - 12700.0000 MHz	800KG2D		TT&C
	12200.0000 - 12700.0000 MHz	24M0G1W		DIGITAL VIDEO, FEC 3/4 (DBS)
	12200.0000 - 12700.0000 MHz	1M50G2D		TELEMETRY BEACON (TT&C)
	12200.0000 - 12700.0000 MHz	24M0G7W		TT&C
	12200.0000 - 12210.0000 MHz	800KG2D		TT&C

Points of Communication:

CHEYENNE - ECHOSTAR 10 - (110 W.L.)

CHEYENNE - ECHOSTAR 11 - (110 W.L.)

CHEYENNE - ECHOSTAR 2 - (148 W.L.)

CHEYENNE - ECHOSTAR 3 - (61.5 W.L.)

CHEYENNE - ECHOSTAR 4 - (77 W.L.)

CHEYENNE - ECHOSTAR 5 - (119 W.L.)

CHEYENNE - ECHOSTAR 5 - (129 W.L.)

CHEYENNE - ECHOSTAR 6 - (110 W.L.)

CHEYENNE - ECHOSTAR 7 - (119 W.L.)

CHEYENNE - ECHOSTAR 8 - (110 W.L.)

CHEYENNE - ECHOSTAR I - (148.0 W.L.)

CHEYENNE - RAINBOW1 - (61.5 W.L.)

SES-RWL-20090630-00807 E E990138 EchoStar Corporation

Renewal

09/21/2009 - 09/21/2024

Grant of Authority

Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

SITE ID: CHEYENNE

LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY

41 ° 7 ' 56.90 " N LAT.

104 ° 44 ' 12.80 " W LONG.

ANTENNA ID:	1	13.2 meters	TIW	13.2M
	17790.0000 - 17800.0000 MHz	800KG2D	86.41 dBW	TT&C
	17790.0000 - 17800.0000 MHz	1M50G2D	87.40 dBW	TELEMETRY BEACON
	17301.0000 - 17302.0000 MHz	1M50G2D	87.40 dBW	TELEMETRY BEACON (TT&C)
	17300.0000 - 17800.0000 MHz	24M0G1W	85.00 dBW	DIGITAL VIDEO, FEC 3/4 (DBS)
	17300.0000 - 17800.0000 MHz	24M0G7W	85.00 dBW	DIGITAL DATA AND COMPRESSED VIDEO
	17300.0000 - 17310.0000 MHz	800KG2D	86.41 dBW	TT&C
	17300.0000 - 17310.0000 MHz	1M50G2D	87.40 dBW	TELEMETRY BEACON
	12690.0000 - 12700.0000 MHz	800KG2D		TT&C
	12200.0000 - 12700.0000 MHz	24M0G1W		DIGITAL VIDEO, FEC 3/4 (DBS)
	12200.0000 - 12700.0000 MHz	1M50G2D		TELEMETRY BEACON (TT&C)
	12200.0000 - 12700.0000 MHz	24M0G7W		DIGITAL DATA AND COMPRESSED VIDEO
	12200.0000 - 12210.0000 MHz	800KG2D		TT&C

Points of Communication:

CHEYENNE - ECHOSTAR 10 - (110 W.L.)
 CHEYENNE - ECHOSTAR 11 - (110 W.L.)
 CHEYENNE - ECHOSTAR 2 - (148 W.L.)
 CHEYENNE - ECHOSTAR 3 - (61.5 W.L.)
 CHEYENNE - ECHOSTAR 4 - (77 W.L.)
 CHEYENNE - ECHOSTAR 5 - (119 W.L.)
 CHEYENNE - ECHOSTAR 5 - (129 W.L.)
 CHEYENNE - ECHOSTAR 6 - (110 W.L.)
 CHEYENNE - ECHOSTAR 7 - (119 W.L.)
 CHEYENNE - ECHOSTAR 8 - (110 W.L.)
 CHEYENNE - ECHOSTAR I - (148.0 W.L.)
 CHEYENNE - RAINBOW1 - (61.5 W.L.)

SES-RWL-20090701-00820 E E990331 LESEA BROADCASTING CORPORATION
 Renewal 09/27/2009 - 09/27/2024
 Grant of Authority Date Effective: 07/07/2009

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 61300 S. IRONWOOD ROAD, ST. JOSEPH, SOUTH BEND, IN
 41 ° 36 ' 13.00 " N LAT. 86 ° 12 ' 52.00 " W LONG.

ANTENNA ID:	1	9 meters	VERTEX	9 KPC
	6365.0000 - 6425.0000 MHz		36M0G7F	70.60 dBW
				QPSK DIGITAL VIDEO WITH AUDIO SUBCARRIERS
	6365.0000 - 6425.0000 MHz		36M0F3F	70.60 dBW
				ANALOG VIDEO WITH ASSOCIATED AUDIO
	5925.0000 - 6225.0000 MHz		36M0G7F	70.60 dBW
				QPSK DIGITAL VIDEO WITH AUDIO SUBCARRIERS
	5925.0000 - 6225.0000 MHz		36M0F3F	70.60 dBW
				ANALOG VIDEO WITH ASSOCIATED AUDIO
	3700.0000 - 4200.0000 MHz		36M0G7F	
				QPSK DIGITAL VIDEO WITH AUDIO SUBCARRIERS
	3700.0000 - 4200.0000 MHz		36M0F3F	
				ANALOG VIDEO WITH ASSOCIATED AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20090523-00646 E TerreStar License Inc.
Special Temporary Authority
Grant of Authority Date Effective: 07/06/2009

Class of Station:

Special temporary authority is GRANTED with condition for a period of 30 days beginning July 6, 2009 and ending August 4, 2009.

Points of Communication:

SES-STA-20090528-00663 E E980146 SIMS SATELLITE AND DATA CORP.
Special Temporary Authority
Grant of Authority Date Effective: 07/01/2009

Class of Station:

Special Temporary Authority is GRANTED for a period of 60 days beginning July 1, 2009 and ending August 29, 2009.

Points of Communication:

SES-STA-20090603-00682 E Universal Space Network, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 07/01/2009

Class of Station:

Special temporary authority is GRANTED with condition for a period of 30 days beginning July 13, 2009 and ending August 12, 2009.

Points of Communication:

SES-STA-20090604-00690 E E060430 TerreStar License Inc.
Special Temporary Authority
Grant of Authority Date Effective: 07/07/2009

Class of Station:

Special temporary authority is GRANTED with condition for a period of 30 days beginning July 7, 2009 and ending August 5, 2009.

Points of Communication:

SES-STA-20090624-00791 E E080168 Sirius XM Radio Inc.
Special Temporary Authority
Grant of Authority Date Effective: 07/01/2009

Class of Station:

Extension of special temporary authority is GRANTED with conditions for a period of 60 days beginning June 29, 2009 and ending August 27, 2009.

Points of Communication:

SES-STA-20090625-00794 E E070098 TerreStar License Inc.
Special Temporary Authority
Grant of Authority
Date Effective: 07/06/2009

Class of Station:

Special temporary authority is GRANTED with condition for a period of 30 days beginning July 6, 2009 and ending August 4, 2009.

Points of Communication:

SES-T/C-20090617-00749 E E050393 KHBS HEARST-ARGYLE TELEVISION, INC.
Application for Consent to Transfer of Control
Consummated
Date Effective: 05/04/2009

Current Licensee: KHBS HEARST-ARGYLE TELEVISION, INC.

FROM: HEARST-ARGYLE TELEVISION, INC.

TO: HEARST-ARGYLE TELEVISION, INC.

No. of Station(s) listed: 1

SES-T/C-20090617-00750 E E050394 HEARST-ARGYLE PROPERTIES, INC.
Application for Consent to Transfer of Control
Consummated
Date Effective: 05/04/2009

Current Licensee: HEARST-ARGYLE PROPERTIES, INC.

FROM: HEARST-ARGYLE TELEVISION, INC.

TO: HEARST-ARGYLE TELEVISION, INC.

No. of Station(s) listed: 2

SES-T/C-20090617-00751 E E060301 HEARST-ARGYLE STATIONS, INC.
Application for Consent to Transfer of Control
Consummated
Date Effective: 05/04/2009

Current Licensee: HEARST-ARGYLE STATIONS, INC.

FROM: HEARST-ARGYLE TELEVISION, INC.

TO: HEARST-ARGYLE TELEVISION, INC.

No. of Station(s) listed: 2

SES-T/C-20090617-00752 E E010055 KETV HEARST-ARGYLE TELEVISION, INC.
Application for Consent to Transfer of Control
Consummated
Date Effective: 05/04/2009

Current Licensee: KETV HEARST-ARGYLE TELEVISION, INC.

FROM: HEARST-ARGYLE TELEVISION, INC.

TO: HEARST-ARGYLE TELEVISION, INC.

No. of Station(s) listed: 2

SES-T/C-20090617-00753 E E5294 ORLANDO HEARST-ARGYLE TELEVISION, INC.
Application for Consent to Transfer of Control
Consummated
Date Effective: 05/04/2009

Current Licensee: ORLANDO HEARST-ARGYLE TELEVISION, INC.

FROM: HEARST-ARGYLE TELEVISION, INC.

TO: HEARST-ARGYLE TELEVISION, INC.

No. of Station(s) listed: 2

SES-T/C-20090617-00754 E E090077 WXII HEARST-ARGYLE TELEVISION, INC.
Application for Consent to Transfer of Control
Consummated Date Effective: 05/04/2009

Current Licensee: WXII HEARST-ARGYLE TELEVISION, INC.
FROM: HEARST-ARGYLE TELEVISION, INC.
TO: HEARST-ARGYLE TELEVISION, INC.

No. of Station(s) listed: 1

SES-T/C-20090617-00755 E E860067 WLKY HEARST-ARGYLE TELEVISION, INC.
Application for Consent to Transfer of Control
Consummated Date Effective: 05/04/2009

Current Licensee: WLKY HEARST-ARGYLE TELEVISION, INC.
FROM: HEARST-ARGYLE TELEVISION, INC.
TO: HEARST-ARGYLE TELEVISION, INC.

No. of Station(s) listed: 1

SES-T/C-20090617-00759 E E060204 KOAT HEARST-ARGYLE TELEVISION, INC.
Application for Consent to Transfer of Control
Consummated Date Effective: 05/04/2009

Current Licensee: KOAT HEARST-ARGYLE TELEVISION, INC.
FROM: HEARST-ARGYLE TELEVISION, INC.
TO: HEARST-ARGYLE TELEVISION, INC.

No. of Station(s) listed: 1

SURRENDER

SES-RWL-20040722-01030 E940422 Cable News Network LP, LLLP

Application has been surrendered per letter dated July 7, 2009.

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