



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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WASHINGTON D.C. 20554

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Report No. SES-00514

Wednesday July 9, 2003

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-20030707-00926 E E020101 LORAL SPACECOM CORPORATION

Amendment

Grant of Authority

Date Effective: 07/08/2003

Class of Station: VSAT Network

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

SITE ID: REMOTE 1.8M

LOCATION: VSAT (1.8M), CONUS, (5000 UNITS)

ANTENNA ID:	1.8M/P	1.8 meters	PRODELIN	1194
	14000.0000 - 14500.0000 MHz	324KG7W	49.70 dBW	QPSK 144 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	842KG7W	49.70 dBW	QPSK 384 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	4M41G7W	49.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	3M17G7W	52.70 dBW	QPSK 2048 KBPS, RATE 1/2 CODE
	14000.0000 - 14500.0000 MHz	380KG7W	52.50 dBW	QPSK 256 KBPS, TURBO CODE
	14000.0000 - 14500.0000 MHz	750KG7W	52.80 dBW	QPSK 512 KBPS, TURBO CODE
	14000.0000 - 14500.0000 MHz	1M50G7W	52.80 dBW	QPSK 1024 KBPS, TURBO CODE
	14000.0000 - 14500.0000 MHz	3M00G7W	52.80 dBW	QPSK 2048 KBPS, TURBO CODE

14000.0000 - 14500.0000 MHz	360KG7W	52.20 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	52.80 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	52.80 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	52.80 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	380KG7W	49.80 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	49.80 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	49.80 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	49.80 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	49.80 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	49.80 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	49.80 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	49.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

SITE ID: HUB 9.3-M
LOCATION: 1305 INDUSTRIAL PARK ROAD, SHENANDOAH, MT. JACKSON, VA
38 ° 43 ' 42.00 " N LAT. 78 ° 39 ' 25.00 " W LONG.

ANTENNA ID: 9.3-M/V 9.3 meters VERTEX 94.1.6

14000.0000 - 14500.0000 MHz	3M91G7W	67.00 dBW	QPSK 3MBPS HUB OUTBOUND TO VSAT
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14000.0000 - 14500.0000 MHz	8M79G7W	66.70 dBW	QPSK 8MBPS HUB OUTBOUND TO VSAT
14000.0000 - 14500.0000 MHz	54M0G7W	80.00 dBW	QPSK 48MBPS 2/3 FEC
11700.0000 - 12200.0000 MHz	324KG7W		QPSK 144 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	842KG7W		QPSK 384 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	4M41G7W		QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	3M17G7W		QPSK 2048 KBPS, RATE 1/2 CODE
11700.0000 - 12200.0000 MHz	380KG7W		QPSK 256 KBPS, TURBO CODE
11700.0000 - 12200.0000 MHz	750KG7W		QPSK 512 KBPS, TURBO CODE
11700.0000 - 12200.0000 MHz	1M50G7W		QPSK 1024 KBPS, TURBO CODE
11700.0000 - 12200.0000 MHz	3M00G7W		QPSK 2048 KBPS, TURBO CODE
11700.0000 - 12200.0000 MHz	360KG7W		QPSK 144 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	936KG7W		QPSK 384 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	2M45G7W		QPSK 1024 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	4M90G7W		QPSK 2048 KBPS, CONCATENATED CODE

SITE ID: REMOTE 0.95M
LOCATION: VSAT (0.95M), CONUS, (5000 UNITS)

ANTENNA ID: 0.95M/R	0.95 meters	RAYTHEON	SMDS2100
14000.0000 - 14500.0000 MHz	324KG7W	44.70 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	842KG7W	44.70 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M41G7W	44.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE

14000.0000 - 14500.0000 MHz	3M17G7W	52.70 dBW	QPSK 2048 KBPS, RATE 1/2 CODE
14000.0000 - 14500.0000 MHz	360KG7W	44.70 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	44.70 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	44.70 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	44.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	360KG7W	41.70 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	41.70 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	41.70 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	41.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

SITE ID: REMOTE 1.2M
LOCATION: VSAT (1.2M), CONUS, (5000 UNITS)

ANTENNA ID: 1.2M/P	1.2 meters	PRODELIN	1134
14000.0000 - 14500.0000 MHz	324KG7W	46.00 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	842KG7W	46.00 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M41G7W	46.00 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	3M17G7W	52.70 dBW	QPSK 2048 KBPS 1/2 FEC
14000.0000 - 14500.0000 MHz	380KG7W	43.30 dBW	QPSK 256 KBPS, TURBO CODE

14000.0000 - 14500.0000 MHz	750KG7W	43.30 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	43.30 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	43.30 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	46.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	46.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	46.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	46.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	360KG7W	43.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	43.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	43.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	43.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

SITE ID: REMOTE 5

LOCATION: VSAT (0.96M), CONUS, (5000 UNITS)

ANTENNA ID: 0.96M/CM 0.96 meters CHANNEL MASTER TYPE 960

14000.0000 - 14500.0000 MHz	380KG7W	44.20 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	44.20 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	44.20 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	44.20 dBW	QPSK 2048 KBPS, TURBO CODE

14000.0000 - 14500.0000 MHz	380KG7W	38.20 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	38.20 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	38.20 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	38.20 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	44.20 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	44.20 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	44.20 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	44.20 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	360KG7W	38.20 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	38.20 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	38.20 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	38.20 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

SITE ID: REMOTE 6
LOCATION: VSAT (1.2M), CONUS, (5000 UNITS)

ANTENNA ID: 1.2M.CM	1.2 meters	CHANNEL MASTER	TYPE 120
14000.0000 - 14500.0000 MHz	380KG7W	46.30 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	46.30 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	46.30 dBW	QPSK 1024 KBPS, TURBO CODE

14000.0000 - 14500.0000 MHz	3M00G7W	46.30 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	380KG7W	43.30 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	43.30 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	43.30 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	43.30 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	46.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	46.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	46.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	46.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	360KG7W	43.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	43.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	43.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	43.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

SITE ID: REMOTE 7
LOCATION: VSAT (1.8M), CONUS, (5000 UNITS)

ANTENNA ID: 1.8M/CM	1.8 meters	CHANNEL MASTER	TYPE 180
14000.0000 - 14500.0000 MHz	380KG7W	52.60 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	52.80 dBW	QPSK 512 KBPS, TURBO CODE

14000.0000 - 14500.0000 MHz	1M50G7W	52.80 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	52.80 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	52.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	52.80 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	52.80 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	52.80 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	380KG7W	49.80 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	49.80 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	49.80 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	49.80 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	49.80 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	49.80 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	49.80 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	49.80 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

SITE ID: REMOTE 8
LOCATION: VSAT (2.4M), CONUS, (5000 UNITS)

ANTENNA ID: 2.4M/CM 2.4 meters CHANNEL MASTER TYPE 240

14000.0000 - 14500.0000 MHz	380KG7W	55.10 dBW	QPSK 256 KBPS, TIRBO CODE
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14000.0000 - 14500.0000 MHz	750KG7W	58.00 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	58.30 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	58.30 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	54.80 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	58.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	58.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	58.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

Points of Communication:

HUB 9.3-M - ALSAT - (ALSAT)

REMOTE 0.95M - ALSAT - (ALSAT)

REMOTE 1.2M - ALSAT - (ALSAT)

REMOTE 1.8M - ALSAT - (ALSAT)

REMOTE 5 - ALSAT - (ALSAT)

REMOTE 6 - ALSAT - (ALSAT)

REMOTE 7 - ALSAT - (ALSAT)

REMOTE 8 - ALSAT - (ALSAT)

SES-LIC-19941130-00004 P KA451

MCI WORLDCOM Network Services, Inc. (debtor-in-possession)

Application for Authority

02/08/1995 - 02/08/2005

Surrender of Authorization

Date Effective: 07/02/2003

Class of Station: Fixed Earth Stations

Nature of Service: International Fixed Satellite Service

License is surrendered by Licensee, per letter July 1, 2003.

SITE ID: 1
LOCATION: SAN JUAN AIRPORT, (ARINC), SAN JUAN, PR
18 ° 26 ' 28.50 " N LAT. 66 ° 0 ' 19.00 " W LONG.

ANTENNA ID: 1	2.4 meters	PRODELIN CORP.	1245-283
6302.0000 - 6338.0000 MHz	24K0G7W-	47.10 dBW	DATANET
6302.0000 - 6338.0000 MHz	128KG7W		DATANET
4077.0000 - 4113.0000 MHz	24K0G7W-		DATANET
4077.0000 - 4113.0000 MHz	128KG7W		DATANET

Points of Communication:

1 - INTELSAT AOR - (325.5 E.L.)

SES-LIC-20030519-00680 E E030115 TRANSVISION INTERNATIONAL TELEPORT, L.P.
Application for Authority 07/03/2003 - 07/03/2018
Grant of Authority Date Effective: 07/03/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 91-340 FARRINGTON HIGHWAY, KAPOLEI, HI
21 ° 20 ' 7.00 " N LAT. 158 ° 5 ' 25.00 " W LONG.

ANTENNA ID: 1	7 meters	RSI	700KS
14000.0000 - 14500.0000 MHz	36M0G7W	83.50 dBW	DIGITAL, QPSK, 3/4, 1/2 FEC
14000.0000 - 14500.0000 MHz	51K2G7W	55.10 dBW	DIGITAL, QPSK, 3/4, 1/2 FEC, COMBINATION OF CARRIERS
14000.0000 - 14500.0000 MHz	36M0G7W	83.50 dBW	DIGITAL, QPSK, 3/4, 1/2 FEC, COMBINATION OF CARRIERS
14000.0000 - 14500.0000 MHz	51K2G7D	55.10 dBW	DIGITAL, QPSK, 3/4, 1/2 FEC
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL, QPSK, 3/4, 1/2 FEC, COMBINATION OF CARRIERS

11700.0000 - 12200.0000 MHz	51K2G7W	DIGITAL, QPSK, 3/4, 1/2 FEC, COMBINATION OF CARRIERS
11700.0000 - 12200.0000 MHz	36M0G7W	DIGITAL, QPSK, 3/4, 1/2 FEC
11700.0000 - 12200.0000 MHz	51K2G7D	DIGITAL, QPSK, 3/4, 1/2 FEC

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20030214-00208 E E020002	Globecomm Systems, Inc.	
Application for Modification		02/14/2002 - 02/14/2012
Grant of Authority		Date Effective: 07/02/2003

Class of Station: Fixed Earth Stations

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

SITE ID: HUB
LOCATION: 45 OSER AVENUE, SUFFOLK, HAUPPAUGE, NC
40 ° 48 ' 55.10 " N LAT. 73 ° 14 ' 17.80 " W LONG.

ANTENNA ID: AOT-17 5.6 meters ANDREW CORP. 5.6 ESA

14000.0000 - 14500.0000 MHz	36M0G7W	82.30 dBW	DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	222KG7W	60.20 dBW	DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
11450.0000 - 12200.0000 MHz	222KG7W		DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
10950.0000 - 11200.0000 MHz	222KG7W		DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS

ANTENNA ID: AOT-18 5.6 meters ANDREW CORP. 5.6 ESA

14000.0000 - 14500.0000 MHz	36M0G7W	82.30 dBW	DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	222KG7W	60.20 dBW	DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
11450.0000 - 12200.0000 MHz	222KG7W		DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
10950.0000 - 11200.0000 MHz	222KG7W		DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL DATA AND VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS

Points of Communication:

- HUB - ALSAT - (ALSAT)
- HUB - ANIK E1 - (118.7 W.L.)
- HUB - ANIK E2 - (111.1 W.L.)
- HUB - ANIK F1 - (107.3 W.L.)
- HUB - EUTELSAT AB-1 - (12.5 W.L.)
- HUB - EUTELSAT AB-2 - (8.0 W.L.)
- HUB - EUTELSAT II-F-2 - (12.5 W.L.)
- HUB - INTEL 603 - (24.5 W.L.)
- HUB - INTELSAT 805 - (304.5 E.L.)
- HUB - INTELSAT AOR - (307.0 E.L.)
- HUB - INTELSAT AOR - (310.0 E.L.)
- HUB - INTELSAT AOR - (325.5 E.L.)
- HUB - INTELSAT AOR - (328.5 E.L.)
- HUB - INTELSAT AOR - (332.5 E.L.)

HUB - INTELSAT AOR - (342.0 E.L.)

HUB - New Skies 806 - (319.5 E.L.)

HUB - New Skies K - (338.5 E.L.)

HUB - NSS-5 - (183 E.L.)

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

SES-MOD-20030423-00581 P E020074 RICHTEC INCORPORATED

Application for Modification

03/07/2003 - 03/07/2005

Grant of Authority

Date Effective: 07/03/2003

Class of Station: Mobile Earth Station

Nature of Service: Domestic Mobile-Satellite Service

SITE ID: 1

LOCATION: 10,000 INMARSAT D+ half duplex METs throughout in U.S.

ANTENNA ID: 1	0.11 meters	JRC (Size of MET: 121mm x 121mm x 41mm)	JUE-610 DT
1626.5000 - 1645.5000 MHz	2K50F1D	9.00 dBW	Modulation: 2 level FSK, 256Hz tone spacing, symbol rates of 4, 16, 23, 64, or 128 symbols/sec
1525.0000 - 1544.0000 MHz	2K50F1D		Modulation: Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate: 4 symbols/sec
ANTENNA ID: 2	0.11 meters	SKYWAVE	DMR-200
1626.5000 - 1645.5000 MHz	2K50F1D	9.00 dBW	Modulation: 2 level FSK, 256Hz tone spacing, symbol rates of 4, 16, 23, 64, or 128 symbols/sec
1525.0000 - 1544.0000 MHz	2K50F1D		Modulation: Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate: 4 symbols/sec

Points of Communication:

1 - INMARSAT Ltd-1 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

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

SES-MOD-20030425-00532 E E3943

PanAmSat Licensee Corp.

Application for Modification

03/15/2002 - 03/15/2012

Grant of Authority

Date Effective: 07/08/2003

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: KINGS, BROOKLYN, NY

40 ° 39 ' 35.00 " N LAT.

73 ° 52 ' 7.00 " W LONG.

ANTENNA ID:	10.3m	10.3 meters	HUGHES SPCEIFIED STA	NDARD
	5925.0000 - 6425.0000 MHz	36M0F8W	77.80 dBW	Analog TV
	5925.0000 - 6425.0000 MHz	85K0G7W	55.47 dBW	64 Kbps QPSK
	5925.0000 - 5930.0000 MHz	750KF2D	70.49 dBW	Command, Ranging & Tracking transmission.
	3700.0000 - 4200.0000 MHz	85K0G7W		64 Kbps QPSK
	6420.0000 - 6425.0000 MHz	750KF2D	70.49 dBW	Command, Ranging & Tracking transmission.
	5925.0000 - 6425.0000 MHz	36M0G7W	78.00 dBW	a full transponder digital transmission.
	4198.0000 - 4200.0000 MHz	100KF0N		a full transponder digital transmission.
	3700.0000 - 4200.0000 MHz	36M0F8W		Analog TV
	3700.0000 - 4200.0000 MHz	36M0F7W		a full transponder digital transmission.

ANTENNA ID:	13m	13 meters	SATCOM 1300CH	
	6420.0000 - 6425.0000 MHz	750KF2D	70.49 dBW	Command, Ranging & Tracking transmission.
	5925.0000 - 6425.0000 MHz	36M0G7W	78.00 dBW	a full transponder digital transmission.
	5925.0000 - 5930.0000 MHz	750KF2D	70.49 dBW	Command, Ranging & Tracking transmission.
	3700.0000 - 4200.0000 MHz	36M0F8W		Analog TV
	3700.0000 - 4200.0000 MHz	85K0G7W		64 Kbps QPSK
	5925.0000 - 6425.0000 MHz	36M0F8W	77.80 dBW	Analog TV

5925.0000 - 6425.0000 MHz	85K0G7W	55.47 dBW	64 Kbps QPSK
4198.0000 - 4200.0000 MHz	100KF0N		a full transponder digital transmission.
3700.0000 - 4200.0000 MHz	36M0F7W		a full transponder digital transmission.
ANTENNA ID: 12m	12 meters	HUGHES SPECIFIED STA	NDARD
5925.0000 - 6425.0000 MHz	36M0F8W	77.80 dBW	Analog TV
5925.0000 - 6425.0000 MHz	85K0G7W	55.47 dBW	64 Kbps QPSK
5925.0000 - 5930.0000 MHz	750KF2D	70.49 dBW	Command, Ranging & Tracking transmission.
3700.0000 - 4200.0000 MHz	36M0F8W		Analog TV
3700.0000 - 4200.0000 MHz	85K0G7W		64 Kbps QPSK
6420.0000 - 6425.0000 MHz	750KF2D	70.49 dBW	Command, Ranging & Tracking transmission.
5925.0000 - 6425.0000 MHz	36M0G7W	78.00 dBW	a full transponder digital transmission.
4198.0000 - 4200.0000 MHz	100KF0N		a telemetry and ranging transmission.
3700.0000 - 4200.0000 MHz	36M0G7W		a full transponder digital transmission.

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20030505-00673 P E020101 LORAL SPACECOM CORPORATION

Application for Modification

09/17/2002 - 09/17/2017

Grant of Authority

Date Effective: 07/08/2003

Class of Station: VSAT Network

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

SITE ID: REMOTE 1.8M

LOCATION: VSAT (1.8M), CONUS, (5000 UNITS)

ANTENNA ID: 1.8M/P	1.8 meters	PRODELIN	1194
14000.0000 - 14500.0000 MHz	324KG7W	49.70 dBW	QPSK 144 KBPS, CONCATENATED CODE

14000.0000 - 14500.0000 MHz	842KG7W	49.70 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M41G7W	49.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
14000.0000 - 14500.0000 MHz	3M17G7W	52.70 dBW	QPSK 2048 KBPS, RATE 1/2 CODE
14000.0000 - 14500.0000 MHz	380KG7W	52.50 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	52.80 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	52.80 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	52.80 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	52.20 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	52.80 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	52.80 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	52.80 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	380KG7W	49.80 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	49.80 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	49.80 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	49.80 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	49.80 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	49.80 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	49.80 dBW	QPSK 1024 KBPS, CONCATENATED CODE

14000.0000 - 14500.0000 MHz	4M90G7W	49.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
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11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC
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SITE ID: HUB 9.3-M

LOCATION: 1305 INDUSTRIAL PARK ROAD, SHENANDOAH, MT. JACKSON, VA

38 ° 43 ' 42.00 " N LAT.

78 ° 39 ' 25.00 " W LONG.

ANTENNA ID: 9.3-M/V 9.3 meters VERTEX 94.1.6

14000.0000 - 14500.0000 MHz	3M91G7W	67.00 dBW	QPSK 3MBPS HUB OUTBOUND TO VSAT
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14000.0000 - 14500.0000 MHz	8M79G7W	66.70 dBW	QPSK 8MBPS HUB OUTBOUND TO VSAT
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11700.0000 - 12200.0000 MHz	324KG7W		QPSK 144 KBPS, CONCATENATED CODE
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11700.0000 - 12200.0000 MHz	4M41G7W		QPSK 2048 KBPS, CONCATENATED CODE
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11700.0000 - 12200.0000 MHz	842KG7W		QPSK 384 KBPS, CONCATENATED CODE
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11700.0000 - 12200.0000 MHz	3M17G7W		QPSK 2048 KBPS, RATE 1/2 CODE
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14000.0000 - 14500.0000 MHz	54M0G7W	78.30 dBW	QPSK 48MBPS 2/3 FEC
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11700.0000 - 12200.0000 MHz	380KG7W		QPSK 256 KBPS, TURBO CODE
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11700.0000 - 12200.0000 MHz	750KG7W		QPSK 512 KBPS, TURBO CODE
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11700.0000 - 12200.0000 MHz	1M50G7W		QPSK 1024 KBPS, TURBO CODE
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11700.0000 - 12200.0000 MHz	3M00G7W		QPSK 2048 KBPS, TURBO CODE
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11700.0000 - 12200.0000 MHz	360KG7W		QPSK 144 KBPS, CONCATENATED CODE
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11700.0000 - 12200.0000 MHz	936KG7W		QPSK 384 KBPS, CONCATENATED CODE
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11700.0000 - 12200.0000 MHz	2M45G7W		QPSK 1024 KBPS, CONCATENATED CODE
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11700.0000 - 12200.0000 MHz	4M90G7W		QPSK 2048 KBPS, CONCATENATED CODE
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SITE ID: REMOTE 0.95M
LOCATION: VSAT (0.95M), CONUS, (5000 UNITS)

ANTENNA ID:	0.95M/R	0.95 meters	RAYTHEON	SMDS2100
	14000.0000 - 14500.0000 MHz	324KG7W	44.70 dBW	QPSK 144 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	842KG7W	44.70 dBW	QPSK 384 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	4M41G7W	44.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
	11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
	11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
	14000.0000 - 14500.0000 MHz	3M17G7W	52.70 dBW	QPSK 2048 KBPS, RATE 1/2 CODE
	14000.0000 - 14500.0000 MHz	360KG7W	44.70 dBW	QPSK 144 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	936KG7W	44.70 dBW	QPSK 384 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	2M45G7W	44.70 dBW	QPSK 1024 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	4M90G7W	44.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	360KG7W	41.70 dBW	QPSK 144 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	936KG7W	41.70 dBW	QPSK 384 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	2M45G7W	41.70 dBW	QPSK 1024 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	4M90G7W	41.70 dBW	QPSK 2048 KBPS, CONCATENATED CODE
	11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

SITE ID: REMOTE 1.2M
LOCATION: VSAT (1.2M), CONUS, (5000 UNITS)

ANTENNA ID:	1.2M/P	1.2 meters	PRODELIN	1134
	14000.0000 - 14500.0000 MHz	842KG7W	46.00 dBW	QPSK 384 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	4M41G7W	46.00 dBW	QPSK 2048 KBPS, CONCATENATED CODE
	11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
	11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
	14000.0000 - 14500.0000 MHz	324KG7W	46.00 dBW	QPSK 144 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	3M17G7W	52.70 dBW	QPSK 2048 KBPS 1/2 FEC
	14000.0000 - 14500.0000 MHz	380KG7W	43.30 dBW	QPSK 256 KBPS, TURBO CODE
	14000.0000 - 14500.0000 MHz	750KG7W	43.30 dBW	QPSK 512 KBPS, TURBO CODE
	14000.0000 - 14500.0000 MHz	1M50G7W	43.30 dBW	QPSK 1024 KBPS, TURBO CODE
	14000.0000 - 14500.0000 MHz	3M00G7W	43.30 dBW	QPSK 2048 KBPS, TURBO CODE
	14000.0000 - 14500.0000 MHz	360KG7W	46.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	936KG7W	46.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	2M45G7W	46.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	4M90G7W	46.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	360KG7W	43.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	936KG7W	43.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	2M45G7W	43.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
	14000.0000 - 14500.0000 MHz	4M90G7W	43.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE

11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC
SITE ID: REMOTE 5			
LOCATION: VSAT (0.96M), CONUS, (5000 UNITS)			
ANTENNA ID: 0.96M/CM	0.96 meters	CHANNEL MASTER	TYPE 960
14000.0000 - 14500.0000 MHz	380KG7W	44.20 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	44.20 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	44.20 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	44.20 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	380KG7W	38.20 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	750KG7W	38.20 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	1M50G7W	38.20 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	3M00G7W	38.20 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz	360KG7W	44.20 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	44.20 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	44.20 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	44.20 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	360KG7W	38.20 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	936KG7W	38.20 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	2M45G7W	38.20 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz	4M90G7W	38.20 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT

11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
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11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC
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SITE ID: REMOTE 6

LOCATION: VSAT (1.2M), CONUS, (5000 UNITS)

ANTENNA ID:	1.2M.CM	1.2 meters	CHANNEL MASTER	TYPE 120
14000.0000 - 14500.0000 MHz			380KG7W 46.30 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz			750KG7W 46.30 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz			1M50G7W 46.30 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz			3M00G7W 46.30 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz			380KG7W 43.30 dBW	QPSK 256 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz			750KG7W 43.30 dBW	QPSK 512 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz			1M50G7W 43.30 dBW	QPSK 1024 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz			3M00G7W 43.30 dBW	QPSK 2048 KBPS, TURBO CODE
14000.0000 - 14500.0000 MHz			360KG7W 46.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz			936KG7W 46.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz			2M45G7W 46.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz			4M90G7W 46.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz			360KG7W 43.30 dBW	QPSK 144 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz			936KG7W 43.30 dBW	QPSK 384 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz			2M45G7W 43.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE
14000.0000 - 14500.0000 MHz			4M90G7W 43.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE

11700.0000 - 12200.0000 MHz	3M91G7W	QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	8M79G7W	QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W	QPSK 48MBPS 2/3 FEC

SITE ID: REMOTE 7
LOCATION: VSAT (1.8M), CONUS, (5000 UNITS)

ANTENNA ID:	1.8M/CM	1.8 meters	CHANNEL MASTER	TYPE 180
14000.0000 - 14500.0000 MHz	380KG7W	52.60 dBW	QPSK 256 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	750KG7W	52.80 dBW	QPSK 512 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	1M50G7W	52.80 dBW	QPSK 1024 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	3M00G7W	52.80 dBW	QPSK 2048 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	360KG7W	52.30 dBW	QPSK 144 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	936KG7W	52.80 dBW	QPSK 384 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	2M45G7W	52.80 dBW	QPSK 1024 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	4M90G7W	52.80 dBW	QPSK 2048 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	380KG7W	49.80 dBW	QPSK 256 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	750KG7W	49.80 dBW	QPSK 512 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	1M50G7W	49.80 dBW	QPSK 1024 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	3M00G7W	49.80 dBW	QPSK 2048 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	360KG7W	49.80 dBW	QPSK 144 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	936KG7W	49.80 dBW	QPSK 384 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	2M45G7W	49.80 dBW	QPSK 1024 KBPS, CONCATENATED CODE	

14000.0000 - 14500.0000 MHz	4M90G7W	49.80 dBW	QPSK 2048 KBPS, CONCATENATED CODE
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC

SITE ID: REMOTE 8
LOCATION: VSAT (2.4M), CONUS, (5000 UNITS)

ANTENNA ID:	2.4M/CM	2.4 meters	CHANNEL MASTER	TYPE 240
14000.0000 - 14500.0000 MHz	380KG7W	55.10 dBW	QPSK 256 KBPS, TIRBO CODE	
14000.0000 - 14500.0000 MHz	750KG7W	58.00 dBW	QPSK 512 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	1M50G7W	58.30 dBW	QPSK 1024 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	3M00G7W	58.30 dBW	QPSK 2048 KBPS, TURBO CODE	
14000.0000 - 14500.0000 MHz	360KG7W	54.80 dBW	QPSK 144 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	936KG7W	58.30 dBW	QPSK 384 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	2M45G7W	58.30 dBW	QPSK 1024 KBPS, CONCATENATED CODE	
14000.0000 - 14500.0000 MHz	4M90G7W	58.30 dBW	QPSK 2048 KBPS, CONCATENATED CODE	
11700.0000 - 12200.0000 MHz	8M79G7W		QPSK 8MBPS HUB OUTBOUND TO VSAT	
11700.0000 - 12200.0000 MHz	3M91G7W		QPSK 3MBPS HUB OUTBOUND TO VSAT	
11700.0000 - 12200.0000 MHz	54M0G7W		QPSK 48MBPS 2/3 FEC	

Points of Communication:

HUB 9.3-M - ALSAT - (ALSAT)

REMOTE 0.95M - TELSTAR 6 - (93 W.L.)

REMOTE 1.2M - ALSAT - (ALSAT)

REMOTE 1.8M - ALSAT - (ALSAT)

REMOTE 5 - TELSTAR 6 - (93 W.L.)

REMOTE 6 - ALSAT - (ALSAT)

REMOTE 7 - ALSAT - (ALSAT)

REMOTE 8 - ALSAT - (ALSAT)

SES-MOD-20030519-00683 E E930485 USSB II, Inc.

Application for Modification

03/11/1994 - 03/11/2004

Grant of Authority

Date Effective: 07/08/2003

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, Feeder Link for Mobile Satellite Service

SITE ID: MWUF

LOCATION: 6287 32ND STREET NORTH, WASHINGTON, OAKDALE, MN

44 ° 59 ' 36.00 " N LAT.

92 ° 58 ' 43.00 " W LONG.

ANTENNA ID: MD02	9 meters	VERTEX/RSI	9.0 KPK-DBS
17300.0000 - 17800.0000 MHz	25M0M1W	85.98 dBW	
12200.0000 - 12700.0000 MHz	800KF2D		PCM/PSK COMMAND
17300.0000 - 17800.0000 MHz	800KF2D	85.98 dBW	PCM/PSK COMMAND
12200.0000 - 12700.0000 MHz	24M0G7W		QPSK DIGITAL VIDEO/AUDIO SERVICES
17300.0000 - 17800.0000 MHz	24M0G7W	77.10 dBW	QPSK DIGITAL VIDEO/AUDIO SERVICES
ANTENNA ID: MD01	9 meters	VERTEX/RSI	9.0 KPK-DBS
12200.0000 - 12700.0000 MHz	24M0G7W		QPSK DIGITAL VIDEO/AUDIO SERVICES
17300.0000 - 17800.0000 MHz	800KF2D	85.98 dBW	PCM/PSK COMMAND
12200.0000 - 12700.0000 MHz	800KF2D		PCM/PSK COMMAND
17300.0000 - 17800.0000 MHz	24M0G7W	77.10 dBW	QPSK DIGITAL VIDEO/AUDIO SERVICES

Points of Communication:

MWUF - DIRECTV - 1R - (101 W.L.)

MWUF - DIRECTV - 2 - (101 W.L.)

MWUF - DIRECTV - 3 - (101 W.L.)

MWUF - DIRECTV 1 - (110 W.L.)

MWUF - DIRECTV 5 - (119 W.L.)

MWUF - DIRECTV 6 - (119 W.L.)

MWUF - DIRECTV 7S - (119 W.L.)

MWUF - DIREVTV 4S - (101 W.L.)

SES-MOD-20030602-00725 E E000684 WAY-FM Media Group, Inc

Application for Modification

01/12/2001 - 01/12/2011

Grant of Authority

Date Effective: 07/08/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1012 MCEWEN DR., WILLIAMSON, FRANKLIN, TN

35 ° 56 ' 43.00 " N LAT.

86 ° 49 ' 58.00 " W LONG.

ANTENNA ID: 1	2.4 meters	PRODELIN	1244
14000.0000 - 14500.0000 MHz	400KG1D	53.19 dBW	MULTI CARRIER QPSK DIGITAL SCPC 1/2 FEC
11700.0000 - 12200.0000 MHz	400KG1D		
ANTENNA ID: 2	1.8 meters	CHANNEL MASTER	TYPE 183
14000.0000 - 14500.0000 MHz	400KG1D	50.02 dBW	QPSK
11700.0000 - 12200.0000 MHz	400KG1D		QPSK

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-19930902-00846 P E930446 AMERICAN TELEPHONE AND TELEGRAPH COMPANY
Registration 09/02/1993 - 09/02/2003
Surrender of Authorization Date Effective: 06/17/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

License surrendered by Licensee, per letter dated June 17, 2003.

SITE ID: 1
LOCATION: 11782 HANGING ROCK ROAD, WASHINGTON, CLEAR SPRING, MD
39 ° 42 ' 44.00 " N LAT. 77 ° 58 ' 23.00 " W LONG.

ANTENNA ID: 1 3.1 meters CHANNEL MASTER MODEL 6368P
3700.0000 - 4200.0000 MHz 36M0F3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-19961210-00079 P KA82 MCI WORLDCOM Network Services, Inc. (debtor-in-possession)
Renewal 04/22/1997 - 12/12/2006
Surrender of Authorization Date Effective: 07/02/2003

Class of Station: Fixed Earth Stations

Nature of Service: International Fixed Satellite Service

License surrendered by Licensee, per letter dated 7/1/03.

SITE ID: 1
LOCATION: PAD #3, NILES CANYON, CA
37 ° 36 ' 0.00 " N LAT. 121 ° 56 ' 35.00 " W LONG.

ANTENNA ID: 1 15.2 meters VERTEX 15.2 KPC
5850.0000 - 6425.0000 MHz 260KG7W 58.60 dBW IBS
5850.0000 - 6425.0000 MHz 3M09G7W 72.50 dBW IBS
5850.0000 - 6425.0000 MHz 36M0F3F 87.60 dBW ANALOG TV
3625.0000 - 4200.0000 MHz

Points of Communication:

1 - INTAOR - (AOR)

SES-RWL-19961210-00080 P KA93 MCI WORLDCOM Network Services, Inc. (debtor-in-possession)
Renewal 04/22/1997 - 12/12/2006
Surrender of Authorization Date Effective: 07/02/2003

Class of Station: Fixed Earth Stations

Nature of Service: International Fixed Satellite Service

License is surrendered by Licensee, per letter dated 7/1/03.

SITE ID: 1
LOCATION: PAD #26, NILES CANYON, CA
37 ° 35 ' 56.00 " N LAT. 121 ° 56 ' 32.00 " W LONG.

ANTENNA ID: 1	15.2 meters	VERTEX	15.2KPC
5850.0000 - 6425.0000 MHz	260KG7W	58.60 dBW	IBS
5850.0000 - 6425.0000 MHz	3M09G7W	72.50 dBW	IBS
5850.0000 - 6425.0000 MHz	36M0F3F	87.60 dBW	ANALOG TV
3625.0000 - 4200.0000 MHz			

Points of Communication:

1 - INTPOR - (POR)

SES-RWL-20030630-00906 E E930350 WWL-TV, Inc.
Renewal 08/13/2003 - 08/13/2018
Grant of Authority Date Effective: 07/03/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1024 NORTH RAMPART STREET, NEW ORLEANS, LA
29 ° 57 ' 46.00 " N LAT. 90 ° 3 ' 56.00 " W LONG.

ANTENNA ID: 1	4.6 meters	ANDREW CORP.	ESA46.124
14000.0000 - 14500.0000 MHz	36M0E3F	72.40 dBW	
11700.0000 - 12200.0000 MHz	36M0E3F		

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20030701-00907 E E6214 ALASCOM, INC

Renewal

09/16/2003 - 09/16/2018

Grant of Authority

Date Effective: 07/03/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: MENTASTA, AK

62 ° 55 ' 53.00 " N LAT.

143 ° 47 ' 37.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION MODEL 49900-2

5925.0000 - 6425.0000 MHz 30F9 49.90 dBW

3700.0000 - 4200.0000 MHz 30F9

3700.0000 - 4200.0000 MHz 25000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20030701-00908 E E6017 Cox Communications Gulf Coast, LLC

Renewal

07/22/2003 - 07/22/2018

Grant of Authority

Date Effective: 07/03/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: OKALOOSA, WRIGHT, FL

30 ° 26 ' 41.00 " N LAT.

86 ° 38 ' 27.00 " W LONG.

ANTENNA ID: 1 5 meters HARRIS 5243

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20030702-00911 E E5956 Cox Communications, Inc
Renewal 07/15/2003 - 07/15/2018
Grant of Authority Date Effective: 07/03/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: MARICOPA, BUCKEYE, AZ
33 ° 22 ' 15.00 " N LAT. 112 ° 35 ' 4.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 8008B
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20030702-00912 E E5967 Cox Communications, Inc
Renewal 07/15/2003 - 07/15/2018
Grant of Authority Date Effective: 07/03/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: MARICOPA, PEORIA, AZ
33 ° 36 ' 6.00 " N LAT. 112 ° 16 ' 44.00 " W LONG.

ANTENNA ID: 1 4.3 meters MICRODYNE CORP.
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20030703-00925 E WK72 Comcast Cablevision of Virginia Inc
Renewal 07/08/2003 - 07/08/2018
Grant of Authority Date Effective: 07/07/2003

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 1720 WIEHLE AVE., FAIRFAX, RESTON, VA

38 ° 57 ' 17.00 " N LAT.

77 ° 20 ' 8.00 " W LONG.

ANTENNA ID: 1

5 meters

SCIENTIFIC-ATLANTA

8008LS

3700.0000 - 4200.0000 MHz

36M0F8W

Points of Communication:

1 - ALSAT - (ALSAT)

INFORMATIVE

SES-LIC-19961230-00002

E3134

FOX TELEVISION STATIONS, INC.

Licensee has surrendered license, per letter dated June 26, 2003.

SES-RWL-19930608-01380

E5902

U.S. CABLE TELEVISION GROUP, L.P.

Licensee has surrendered license, per letter dated July 1, 2003.

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