



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01054

Wednesday July 30, 2008

SATELLITE COMMUNICATIONS SERVICES

RE: SATELLITE RADIO APPLICATIONS ACCEPTED FOR FILING

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

SES-AMD-20080616-00794 E E080120 EchoStar Corporation

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Other

Amendment filed to operate it with the EchoStar 8 satellite once the satellite is moved from 110 W.L. to 77 W.L. and to make related technical changes.

SITE ID: Cheyenne

LOCATION: 530 EchoStar Drive, Laramie, Cheyenne, WY

41 ° 7 ' 54.40 " N LAT.

104 ° 44 ' 13.00 " W LONG.

ANTENNA ID:	D1	9 meters	Vertex	9m
	17300.0000 - 17800.0000 MHz	24M0G7W	86.50 dBW	Digital Data and Compressed Video
	17790.0000 - 17800.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
	17790.0000 - 17800.0000 MHz	800KG2D	78.10 dBW	Telecommand
	17300.0000 - 17310.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
	17300.0000 - 17310.0000 MHz	800KG2D	78.10 dBW	Telecommand
	12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry

12210.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Digital Data and Compressed Video
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry
ANTENNA ID: D2	9 meters	Vertex	9m
17300.0000 - 17800.0000 MHz	24M0G7W	86.50 dBW	Digital Data and Compressed Video
17790.0000 - 17800.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
17790.0000 - 17800.0000 MHz	800KG2D	78.10 dBW	Telecommand
17300.0000 - 17310.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
17300.0000 - 17310.0000 MHz	800KG2D	78.10 dBW	Telecommand
12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry
12210.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Digital Data and Compressed Video
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry

Points of Communication:

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

SES-AMD-20080709-00920 E KA249 Vizada, Inc.
Amendment
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

Amendment application filed to submit new Frequency Coordinatin Reports which includes additional new routes within the previously coordinated areas. (See File No. SES-MOD-20070523-00709)

SITE ID: SANTA PAULA
LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA
34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 29.40 " W LONG.

ANTENNA ID:	13M	13 meters	UNIVERSAL	1130	
	6454.4000 - 6456.6000 MHz		2M20G1D	82.30 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
	6440.8000 - 6443.0000 MHz		2M20G1D	78.00 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
	5925.0000 - 6425.0000 MHz		36M0F8F	82.70 dBW	ANALOG VIDEO
	5925.0000 - 6425.0000 MHz		18M0F8F-	82.70 dBW	ANALOG VIDEO
	5925.0000 - 6425.0000 MHz		36M0G7F	88.00 dBW	DIGITAL VIDEO
	5925.0000 - 6425.0000 MHz		4M00G7F-	83.50 dBW	DIGITAL VIDEO
	5925.0000 - 6425.0000 MHz		72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA
	5925.0000 - 6425.0000 MHz		21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA
	5925.0000 - 6425.0000 MHz		48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
	5925.0000 - 6425.0000 MHz		69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA
	3700.0000 - 4200.0000 MHz		36M0F8F		ANALOG VIDEO
	3700.0000 - 4200.0000 MHz		18M0F8F-		ANALOG VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7F		DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		4M00G7F-		DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		72M0G7W		DIGITAL VOICE AND DATA
	3700.0000 - 4200.0000 MHz		21K9G7W-		DIGITAL VOICE AND DATA
	3700.0000 - 4200.0000 MHz		69K0G7W		DIGITAL VOICE, VIDEO AND DATA
	3700.0000 - 4200.0000 MHz		6M21G7W		DIGITAL VOICE, VIDEO AND DATA
	3629.4000 - 3631.6000 MHz		2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM

1574.4000 - 1576.6000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
ANTENNA ID: 1.8M	1.8 meters	PRODELIN CORP.		1183
1574.4000 - 1576.6000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM

SITE ID: C-band ESV
LOCATION: Operate up to 300 2.4 meter ESV remotes U.S. waters and international waters

ANTENNA ID: 9797	2.4 meters	SEATEL		99797
6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	115KG1W	49.89 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	154KG1W	51.14 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	179KG1W	51.81 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	307KG1W	54.15 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	358KG1W	54.82 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

6262.0000 - 6243.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
ANTENNA ID: 9707	2.4 meters	SEATEL	9707
6262.0000 - 6423.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

Points of Communication:

C-band ESV - NSS-5 - (183 E.L.)

SANTA PAULA - ALSAT - (ALSAT)

SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)

SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)

SES-ASG-20080609-00876 E E000354 Digital Latin America, LLC
Application for Consent to Assignment
Current Licensee: Amnet US
FROM: AMNET US
TO: Digital Latin America, LLC

No. of Station(s) listed: 3

SES-ASG-20080701-00861 E E930401 Midessa Television LP
Application for Consent to Assignment
Current Licensee: Midessa Television LP
FROM: MIDESSA TELEVISION LP
TO: KWES License Company, LLC

No. of Station(s) listed: 1

SES-ASG-20080701-00862 E E010120 Panhandle Telecasting LP
Application for Consent to Assignment
Current Licensee: Panhandle Telecasting LP
FROM: PANHANDLE TELECASTING LP
TO: KFPA License Company, LLC

No. of Station(s) listed: 2

SES-ASG-20080723-00966 E KA25 Inmarsat Hawaii Inc.
Application for Consent to Assignment
Current Licensee: Intelsat North America LLC
FROM: INTELSAT NORTH AMERICA, LLC
TO: Inmarsat Hawaii Inc.

No. of Station(s) listed: 1

SES-LIC-20080708-00909 E E080162 SES Americom, Inc.
Application for Authority
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

SITE ID: VVES Ciel-2
LOCATION: 11 Edsall Drive, Sussex, Vernon, NJ
41 ° 12 ' 10.00 " N LAT.

74 ° 31 ' 39.00 " W LONG.

ANTENNA ID:	VVCiel-2	11 meters	Vertex/RSI	11.0KPK
	17300.0000 - 17800.0000 MHz	20M0G7W	81.00 dBW	Digital; TT&C Operations
	12200.0000 - 12700.0000 MHz	20M0G7W		Digital, TT&C Operations

Points of Communication:

VVES Ciel-2 - ECHOSTAR 3 - (61.5 W.L.)

SES-LIC-20080723-00965 E E080174 VideoLink Inc.
Application for Authority
Class of Station: Fixed Earth Stations
Nature of Service: Fixed Satellite Service

EZ

SITE ID: 1
LOCATION: 953 Danby Road, USA, Ithaca, NY
42 ° 25 ' 30.00 " N LAT. 76 ° 29 ' 43.00 " W LONG.

ANTENNA ID: 1 2.4 meters Prodelin 1251
14000.0000 - 14500.0000 MHz 24M0G7F 61.10 dBW PSK Digital Video w/digital audio/data
11700.0000 - 12200.0000 MHz 24M0G7F PSK Digital Video w/digital audio/data

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20080724-00974 E E080175 Teck Cominco Alaska Incorporated

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Rural - Noatak City, Northwest Arctic Burea, Red Dog Mine
68 ° 4 ' 19.00 " N LAT. 162 ° 52 ' 34.00 " W LONG.

ANTENNA ID: 1 4.5 meters Andrew Corp. Prime Focus
3700.0000 - 4200.0000 MHz 51K2G7W Digital traffic, various FEC, data rates, modulation and information
3700.0000 - 4200.0000 MHz 36M0G7W Digital traffic, various FEC, data rates, modulation and information
5925.0000 - 6425.0000 MHz 51K2G7W 49.17 dBW Digital traffic, various FEC, data rates, modulation and information
5925.0000 - 6425.0000 MHz 36M0G7W 71.77 dBW Digital traffic, various FEC, data rates, modulation and information

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20080728-00994 E E080177 THE SATELLITE CENTER, INC.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 2535 WILLIAMS BOULEVARD (C & KU-BAND), JEFFERSON, KENNER, LA
30 ° 0 ' 10.10 " N LAT. 90 ° 14 ' 28.60 " W LONG.

ANTENNA ID: C-BAND 5 meters ANT FOR COMM 5M. PR 16.4

3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL AUDIO, VIDEO, AND DATA
3700.0000 - 4200.0000 MHz	307KG7W-		DIGITAL AUDIO, VIDEO, AND DATA
5925.0000 - 6425.0000 MHz	36M0G7W	73.00 dBW	DIGITAL AUDIO, VIDEO, AND DATA
5925.0000 - 6425.0000 MHz	307KG7W-	52.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
ANTENNA ID: KU-BAND	5 meters	ANT FOR COMM	5M. PR 16.4
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	307KG7W-		DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	80.40 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	307KG7W-	59.80 dBW	DIGITAL AUDIO, VIDEO, AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MFS-20080617-00804 E E000166 HNS License Sub, LLC

Modification

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

Modification filed to add new points of communication.

SITE ID: TF TR 1.2M

LOCATION: CONUS, AK, HI, PR, VI 1.2 M (50,000 UNITS)

ANTENNA ID: TF TR 1.2	1.2 meters	PRODELIN	1134
14000.0000 - 14500.0000 MHz	200KG7D	46.10 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	46.10 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7W	46.10 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	46.10 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER

11700.0000 - 12200.0000 MHz	12M0G7D			OQPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
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11700.0000 - 12200.0000 MHz	6M00G7D			OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
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SITE ID: R1.2M
LOCATION: VSAT 1.2M (10 UNITS) CONUS, AK, HI, PR, VI

ANTENNA ID: R1.2	1.2 meters	PRODELIN	1134
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SITE ID: TR 74CM
LOCATION: VSAT 0.74M (98 x 56 cm) (350,000 UNITS), CONUS, AK,HI,PR, VI

ANTENNA ID: TR 74CM	0.74 meters	PRODELIN	HANT-91TR
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14000.0000 - 14500.0000 MHz	200KG7D	42.00 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	400KG7D	42.00 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	800KG7D	42.00 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	1M60G7D	42.00 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
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11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
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11700.0000 - 12200.0000 MHz	12M0G7D		OQPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
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11700.0000 - 12200.0000 MHz	6M00G7D		OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
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11700.0000 - 12200.0000 MHz	24M0G7D		OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
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SITE ID: TR 1.2M
LOCATION: VSAT 1.2M (100,000 UNITS) CONUS, AK, HI, VI, PR

ANTENNA ID: TR 1.2M	1.2 meters	PRODELIN CORP.	1134
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14000.0000 - 14500.0000 MHz	400KG7D	46.10 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	200KG7D	46.10 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	800KG7D	46.10 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	46.10 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		OQPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER

SITE ID: TR 1.8M
LOCATION: VSAT 1.8M (50,000 UNITS) CONUS, AK, HI, VI, PR

ANTENNA ID: TR 1.8 1.8 meters PRODELIN CORP. 1184

14000.0000 - 14500.0000 MHz	800KG7D	49.70 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	49.70 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	49.70 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	49.70 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		OQPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER

SITE ID: HUB-B
LOCATION: 7.6M (HUB) 11717 EXPLORATION LANE, MONTGOMERY, GERMANTOWN, MD
39 ° 10 ' 46.00 " N LAT. 77 ° 14 ' 41.00 " W LONG.

ANTENNA ID:	HubB7.6	7.6 meters	ANDREW CORP.	ES76K-1
	14000.0000 - 14500.0000 MHz	24M0G7D	78.00 dBW	OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
	14000.0000 - 14500.0000 MHz	36M0G7D	78.00 dBW	OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
	14000.0000 - 14500.0000 MHz	400KG7D	47.90 dBW	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
	14000.0000 - 14500.0000 MHz	1M60G7D	53.90 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
	11700.0000 - 12200.0000 MHz	400KG7D		OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
	11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
	11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
	11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
	11700.0000 - 12200.0000 MHz	1M60G7D		OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
	11700.0000 - 12200.0000 MHz	200KG7D		OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER

SITE ID: TR 1.0M
LOCATION: VSAT 1.0M (135 cm x 58 cm) (100,000 UNITS), CONUS, AK,HI,VI,PR

ANTENNA ID:	TR 1.0	1 meters	PRODELIN CORP. (135 cm x 58 cm)	1102
	14000.0000 - 14500.0000 MHz	400KG7D	44.00 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
	14000.0000 - 14500.0000 MHz	200KG7D	44.00 dBW	OQPSK, DIGITAL 128 KSPS, RETURN CARRIER
	14000.0000 - 14500.0000 MHz	800KG7D	44.00 dBW	OQPSK, DIGITAL 512 KSPS, RETURN CARRIER
	14000.0000 - 14500.0000 MHz	1M60G7D	44.00 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
	11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER

11700.0000 - 12200.0000 MHz	6M0G7D			QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D			QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D			QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
SITE ID: TF TR 98CM				
LOCATION: VSAT 0.98M temporary-fixed (54,000 UNITS), CONUS, AK, HI, PR, VI				
ANTENNA ID: TF TR 98CM	0.98 meters	PRODELIN		3981-226;9008688
14000.0000 - 14500.0000 MHz	200KG7D	44.30 dBW		QPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	44.30 dBW		QPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	44.30 dBW		QPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	44.30 dBW		QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	44.30 dBW		DIGITAL, PSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	44.30 dBW		DIGITAL, PSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	44.30 dBW		DIGITAL, PSK, DIGITAL, 1024 KSPS, RETURN CARRIER
ANTENNA ID: TFTR 98CM	0.98 meters	RAVEN MANUFACTURING LIMITED		HNS-AN-98R-KU
SITE ID: TF TR 74CM				
LOCATION: VSAT 0.74M (98 x 56 cm) temporary-fixed (60,200 UNITS), CONUS, AK, HI, PR, VI				
ANTENNA ID: TF TR 74	0.74 meters	PRODELIN		HANT-91TR
14000.0000 - 14500.0000 MHz	200KG7D	42.00 dBW		QPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7W	42.00 dBW		QPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	42.00 dBW		QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	42.00 dBW		QPSK, DIGITAL, 512 KSPS, RETURN CARRIER

11700.0000 - 12200.0000 MHz	36M0G7D	QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D	QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D	QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D	QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER

SITE ID: HUB-A
LOCATION: 7.6M.(HUB) 11717 EXPLORATION LANE, MONTGOMERY, GERMANTOWN, MD
39 ° 10 ' 49.00 " N LAT. 77 ° 14 ' 47.00 " W LONG.

ANTENNA ID:	HubA7.6M	7.6 meters	ANDREW CORP.	ES76K-1
14000.0000 - 14500.0000 MHz	24M0G7D	78.00 dBW	QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER	
14000.0000 - 14500.0000 MHz	36M0G7D	78.00 dBW	QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER	
14000.0000 - 14500.0000 MHz	400KG7D	47.90 dBW	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER	
14000.0000 - 14500.0000 MHz	1M60G7D	53.90 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER	
11700.0000 - 12200.0000 MHz	200KG7D	QPSK, DIGITAL, 128 KSPS, RETURN CARRIER		
11700.0000 - 12200.0000 MHz	400KG7D	QPSK, DIGITAL, 256 KSPS, RETURN CARRIER		
11700.0000 - 12200.0000 MHz	200KG7D	BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER		
11700.0000 - 12200.0000 MHz	400KG7D	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER		
11700.0000 - 12200.0000 MHz	800KG7D	BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER		
11700.0000 - 12200.0000 MHz	1M60G7D	QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER		

SITE ID: TR 2.4M
LOCATION: VSAT 2.4M (11,000 units), CONUS, AK, HI, VI, P

ANTENNA ID: TR 2.4M 2.4 meters PRODELIN CORP. 1244

14000.0000 - 14500.0000 MHz	200KG7D	52.20 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	52.20 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	52.20 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	52.20 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		OQPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER

SITE ID: HUB-C 7.6M

LOCATION: 11717 EXPLORATION LANE, MONTGOMERY, GERMANTOWN, MD

39 ° 10 ' 43.00 " N LAT.

77 ° 14 ' 51.00 " W LONG.

ANTENNA ID:	HubC 7.6M	7.6 meters	NEC	APS-12/14-F64A
14000.0000 - 14500.0000 MHz	400KG7D	59.00 dBW	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER	
14000.0000 - 14500.0000 MHz	1M60G7D	65.00 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER	
14000.0000 - 14500.0000 MHz	6M00G7D	70.80 dBW	OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER	
14000.0000 - 14500.0000 MHz	12M0G7D	73.80 dBW	OQPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER	
11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER	
11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER	
11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER	

11700.0000 - 12200.0000 MHz	1M60G7D			QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
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SITE ID: HUB-D 7.6M
LOCATION: 11717 EXPLORATION LANE, MONTGOMERY, GERMANTOWN, MD
39 ° 10 ' 42.00 " N LAT. 77 ° 14 ' 53.00 " W LONG.

ANTENNA ID: HubD 7.6M	7.6 meters	NEC		APS-12/14-F0764A
14000.0000 - 14500.0000 MHz	400KG7D	59.00 dBW		BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	65.00 dBW		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	6M00G7D	70.80 dBW		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	12M0G7D	73.80 dBW		QPSK, DATA, 1024 KSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	200KG7D			BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D			BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	800KG7D			BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D			QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER

SITE ID: HUB-E 6.1M
LOCATION: 11717 EXPLORATION LANE, MONTGOMERY, GERMANTOWN, MD
39 ° 10 ' 46.00 " N LAT. 77 ° 14 ' 49.00 " W LONG.

ANTENNA ID: HubE 6.1M	6.1 meters	VERTEX		6.1KPK
14000.0000 - 14500.0000 MHz	400KG7D	52.90 dBW		BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	58.90 dBW		BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	6M00G7D	67.70 dBW		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	12M0G7D	70.70 dBW		QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER

14000.0000 - 14500.0000 MHz	24M0G7D	79.70 dBW	OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	36M0G7D	97.70 dBW	OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		OQPSK, DATA, 128 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		OQPSK, DATA, 256 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER

SITE ID: HUB-F 5.6M

LOCATION: 11717 EXPLORATION LANE, MONTGOMERY, GERMANTOWN, MD
39 ° 10 ' 46.00 " N LAT. 77 ° 14 ' 54.00 " W LONG.

ANTENNA ID: HubF 5.6M	5.6 meters	ANDREW	ES56-1
14000.0000 - 14500.0000 MHz	400KG7D	52.90 dBW	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	58.90 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	6M00G7D	67.70 dBW	OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	12M0G7D	70.70 dBW	OQPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	24M0G7D	77.70 dBW	OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	36M0G7D	77.70 dBW	OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		OQPSK, DATA, 128 KSPS, RETURN CARRIER

11700.0000 - 12200.0000 MHz	400KG7D	OQPSK, DATA, 256 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	200KG7D	BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D	BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	800KG7D	BPSK OR MSK, DATA, 522 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER

SITE ID: HUB-G 4.6M
LOCATION: 10450 PACIFIC CENTER COURT, SAN DIEGO, SAN DIEGO, CA
32 ° 54 ' 31.00 " N LAT. 117 ° 11 ' 26.00 " W LONG.

ANTENNA ID: HubG 4.6M	4.6 meters	VERTEX	4.57KPK
14000.0000 - 14500.0000 MHz	400KG7D	57.50 dBW	BPSK, DATA, 256 KSPS, OUTROUTE CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	57.50 dBW	BPSK, DATA, 1024 KSPS, OUTROUTE CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		BPSK OR MSK, DATA, 128 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		BPSK OR MSK, DATA, 256 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	800KG7D		BPSK OR MSK, DATA, 512 KSPS, INROUTE CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D		OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER

SITE ID: MESH 3.5M
LOCATION: 11717 EXPLORATION LANE (5,000 3.5M UNITS), CONUS, AK, HI, VI, P

ANTENNA ID: MESH 3.5M	3.5 meters	COMTECH	846400G1
14000.0000 - 14500.0000 MHz	2M46G7D	66.20 dBW	BPSK OR OQPSK, DATA, MESH CARRIER
11700.0000 - 12200.0000 MHz	2M46G7D		BPSK OR OQPSK, DATA, MESH CARRIER

SITE ID: MESH 1.8M
LOCATION: CONUS, AK, HI, PR, VI (5,000 1.8M UNITS)

ANTENNA ID: MESH 1.8M	1.8 meters	HUGHES NETWORK SYSTEMS	PES-RFT-180
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14000.0000 - 14500.0000 MHz	156KG7D	48.60 dBW	BPSK OR OQPSK, DATA, MESH CARRIER
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11700.0000 - 12200.0000 MHz	156KG7D	BPSK OR OQPSK, DATA, MESH CARRIER
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SITE ID: MESH 2.4M
LOCATION: CONUS, AK, HI, PR, VI (5,000 2.4M UNITS)

ANTENNA ID: MESH 2.4M	2.4 meters	HUGHES NETWORK SYSTEMS	PES-RFT-240
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14000.0000 - 14500.0000 MHz	307KG7D	53.70 dBW	BPSK OR OQPSK, DATA, MESH CARRIER
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11700.0000 - 12200.0000 MHz	307KG7D	BPSK OR OQPSK, DATA, MESH CARRIER
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SITE ID: MESH 1.2M
LOCATION: CONUS, AK, HI, PR, VI (5,000 1.2M UNITS)

ANTENNA ID: MESH 1.2M	1.2 meters	HUGHES NETWORK SYTEMS	PES-RFT-120
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14000.0000 - 14500.0000 MHz	156KG7D	45.00 dBW	BPSK OR OQPSK, DATA, MESH CARRIER
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11700.0000 - 12200.0000 MHz	156KG7D	BPSK OR OQPSK, DATA, MESH CARRIER
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SITE ID: TR 74-2 CM
LOCATION: CONUS, AK, HI, VI, PR 500,000 (.74 METER ANTENNAS)

ANTENNA ID: TR 74-2	0.74 meters	RAVEN; PRODELIN	HNS-1035610 ;1741
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14000.0000 - 14500.0000 MHz	200KG7D	41.70 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	400KG7D	41.70 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	800KG7D	41.70 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	1M60G7D	41.70 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
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11700.0000 - 12200.0000 MHz	6M00G7D	OQPSK, DATA, 5 MSPS, MULTIMEDIA
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11700.0000 - 12200.0000 MHz	12M0G7D	OQPSK, DATA, 10 MSPS, MULTIMEDIA
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11700.0000 - 12200.0000 MHz	24M0G7D	OQPSK, DATA, 20 MSPS, MULTIMEDIA
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11700.0000 - 12200.0000 MHz	36M0G7D	OQPSK, DATA, 30 MSPS, MULTIMEDIA
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SITE ID: TFTR 74-2CM
 LOCATION: CONUS, AK, HI, VI, PR 50,000 (.74 METER ANTENNAS)

ANTENNA ID:	TFTR 74-2C	0.74 meters	RAVEN; PRODELIN	HNS-1035610;1741
	14000.0000 - 14500.0000 MHz	200KG7D	41.70 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
	14000.0000 - 14500.0000 MHz	400KG7D	41.70 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
	14000.0000 - 14500.0000 MHz	800KG7D	41.70 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
	14000.0000 - 14500.0000 MHz	1M60G7D	41.70 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
	11700.0000 - 12200.0000 MHz	6M00G7D		OQPSK, DATA, 5 MSPS, MULTIMEDIA
	11700.0000 - 12200.0000 MHz	12M0G7D		OQPSK, DATA, 10 MSPS, MULTIMEDIA
	11700.0000 - 12200.0000 MHz	24M0G7D		OQPSK, DATA, 20 MSPS, MULTIMEDIA
	11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA

SITE ID: HUB H (11.1M)
 LOCATION: 17633 TECHNOLOGY BLVD., WASHINGTON, HAGERSTOWN, MD
 39 ° 35 ' 56.30 " N LAT. 77 ° 45 ' 17.90 " W LONG.

ANTENNA ID:	HUB H	11.1 meters	VERTEX	11.1 KPK
	14470.0000 - 14497.0000 MHz	6M00G7D	79.60 dBW	DIGITAL, PSK, DATA, 5 MSPS, OUTROUTE
	14470.0000 - 14497.0000 MHz	12M0G7D	82.60 dBW	DIGITAL, PSK, DATA, 10 MSPS, OUTROUTE
	14470.0000 - 14497.0000 MHz	24M0G7D	85.60 dBW	DIGITAL, PSK, DATA, 20 MSPS, OUTROUTE
	14470.0000 - 14497.0000 MHz	36M0G7D	87.40 dBW	DIGITAL, PSK, DATA, 30 MSPS, OUTROUTE
	14253.0000 - 14311.0000 MHz	6M00G7D	79.60 dBW	DIGITAL, PSK, DATA, 5 MSPS, OUTROUTE
	14253.0000 - 14311.0000 MHz	12M0G7D	82.60 dBW	DIGITAL, PSK, DATA, 10 MSPS, OUTROUTE
	14253.0000 - 14311.0000 MHz	24M0G7D	85.60 dBW	DIGITAL, PSK, DATA, 20 MSPS, OUTROUTE

14253.0000 - 14311.0000 MHz	36M0G7D	87.40 dBW	DIGITAL, PSK, DATA, 30 MSPS, OUTROUTE
14246.5000 - 14366.5000 MHz	6M00G7D	79.60 dBW	DIGITAL, PSK, DATA, 5 MSPS, OUTROUTE
14246.5000 - 14366.5000 MHz	12M0G7D	82.60 dBW	DIGITAL, PSK, DATA, 10 MSPS, OUTROUTE
14246.5000 - 14366.5000 MHz	24M0G7D	85.60 dBW	DIGITAL, PSK, DATA, 20 MSPS, OUTROUTE
14246.5000 - 14366.5000 MHz	36M0G7D	87.40 dBW	DIGITAL, PSK, DATA, 30 MSPS, OUTROUTE
14122.5000 - 14149.5000 MHz	6M00G7D	79.60 dBW	DIGITAL, PSK, DATA, 5 MSPS, OUTROUTE
14122.5000 - 14149.5000 MHz	12M0G7D	82.60 dBW	DIGITAL, PSK, DATA, 10 MSPS, OUTROUTE
14122.5000 - 14149.5000 MHz	24M0G7D	85.60 dBW	DIGITAL, PSK, DATA, 20 MSPS, OUTROUTE
14122.5000 - 14149.5000 MHz	36M0G7D	87.40 dBW	DIGITAL, PSK, DATA, 30 MSPS, OUTROUTE
14069.0000 - 14123.0000 MHz	6M00G7D	79.60 dBW	DIGITAL, PSK, DATA, 5 MSPS, OUTROUTE
14069.0000 - 14123.0000 MHz	12M0G7D	82.60 dBW	DIGITAL, PSK, DATA, 10 MSPS, OUTROUTE
14069.0000 - 14123.0000 MHz	24M0G7D	85.60 dBW	DIGITAL, PSK, DATA, 20 MSPS, OUTROUTE
14069.0000 - 14123.0000 MHz	36M0G7D	87.40 dBW	DIGITAL, PSK, DATA, 30 MSPS, OUTROUTE
12170.0000 - 12197.0000 MHz	200KG7D		DIGITAL, PSK, DATA, 128 KSPS, INROUTE
12170.0000 - 12197.0000 MHz	400KG7D		DIGITAL, PSK, DATA, 256 KSPS, INROUTE
12170.0000 - 12197.0000 MHz	800KG7D		DIGITAL, PSK, DATA, 512 KSPS, INROUTE
12170.0000 - 12197.0000 MHz	1M60G7D		DIGITAL, PSK, DATA, 1024 KSPS, INROUTE
11953.0000 - 12011.0000 MHz	200KG7D		DIGITAL, PSK, DATA, 128 KSPS, INROUTE
11953.0000 - 12011.0000 MHz	400KG7D		DIGITAL, PSK, DATA, 256 KSPS, INROUTE

11953.0000 - 12011.0000 MHz	800KG7D	DIGITAL, PSK, DATA, 512 KSPS, INROUTE
11953.0000 - 12011.0000 MHz	1M60G7D	DIGITAL, PSK, DATA, 1024 KSPS, INROUTE
11946.5000 - 12066.5000 MHz	200KG7D	DIGITAL, PSK, DATA, 128 KSPS, INROUTE
11946.5000 - 12066.5000 MHz	400KG7D	DIGITAL, PSK, DATA, 256 KSPS, INROUTE
11946.5000 - 12066.5000 MHz	800KG7D	DIGITAL, PSK, DATA, 512 KSPS, INROUTE
11946.5000 - 12066.5000 MHz	1M60G7D	DIGITAL, PSK, DATA, 1024 KSPS, INROUTE
11822.5000 - 11849.5000 MHz	200KG7D	DIGITAL, PSK, DATA, 128 KSPS, INROUTE
11822.5000 - 11849.5000 MHz	400KG7D	DIGITAL, PSK, DATA, 256 KSPS, INROUTE
11822.5000 - 11849.5000 MHz	800KG7D	DIGITAL, PSK, DATA, 512 KSPS, INROUTE
11822.5000 - 11849.5000 MHz	1M60G7D	DIGITAL, PSK, DATA, 1024 KSPS, INROUTE
11769.0000 - 11823.0000 MHz	200KG7D	DIGITAL, PSK, DATA, 128 KSPS, INROUTE
11769.0000 - 11823.0000 MHz	400KG7D	DIGITAL, PSK, DATA, 256 KSPS, INROUTE
11769.0000 - 11823.0000 MHz	800KG7D	DIGITAL, PSK, DATA, 512 KSPS, INROUTE
11769.0000 - 11823.0000 MHz	1M60G7D	DIGITAL, PSK, DATA, 1024 KSPS, INROUTE

SITE ID: Hub 1 (3.9 M)
LOCATION: CONUS, AK, HI, PR, VI, Montgomery, Germantown, MD

ANTENNA ID:	HUB 1	3.9 meters	ANDREW CORPORATION	MILSATCOM 3.9 METER
11700.0000 - 12200.0000 MHz	200KG7D			PSK, DATA, INROUTE, 128 KSPS
11700.0000 - 12200.0000 MHz	1M60G7D			PSK, DATA, INROUTE, 1024 KSPS
14000.0000 - 14500.0000 MHz	36M0G7D	77.60 dBW		PSK, DATA, OUTROUTE, 30 MSPS
14000.0000 - 14500.0000 MHz	1M60G7D	64.80 dBW		PSK, DATA, OUTROUTE, 1024 KSPS

SITE ID: TR 98CM
 LOCATION: 200,000 (98CM ANTENNAS) CONUS, AK, HI, VI, PR

ANTENNA ID:	TR 98CM	0.98 meters	PRODELIN	3981-226;9008688
14000.0000 - 14500.0000 MHz		200KG7D	44.30 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz		400KG7D	44.30 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz		800KG7D	44.30 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz		1M60G7D	44.30 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz		200KG7D	44.30 dBW	DIGITAL PSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz		400KG7D	44.30 dBW	DIGITAL PSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz		800KG7D	44.30 dBW	DIGITAL PSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz		1M60G7D	44.30 dBW	DIGITAL PSK, DIGITAL, 1024 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz		6M00G7D		DIGITAL PSK, DATA, 5 MSPS, MULTIMEDIA
11700.0000 - 12200.0000 MHz		12M0G7D		DIGITAL PSK, DATA, 10 MSPS, MULTIMEDIA
11700.0000 - 12200.0000 MHz		24M0G7D		DIGITAL PSK, DATA, 20 MSPS, MULTIMEDIA
11700.0000 - 12200.0000 MHz		36M0G7D		DIGITAL PSK, DATA, 30 MSPS, MULTIMEDIA
11700.0000 - 12200.0000 MHz		6M00G7D		OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz		12M0G7D		OQPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz		24M0G7D		OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
117700.000 - 12200.0000 MHz		36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER

ANTENNA ID: TR 98CM-2 0.98 meters RAVEN MANUFACTURING 3981-226;9008688
LIMITED

Points of Communication:

Hub 1 (3.9 M) - ALSAT - (ALSAT)

HUB H (11.1M) - INTELSAT AMERICAS-6 - (93 W.L.)

HUB-A - ALSAT - (ALSAT)

HUB-A - GALAXY 10R - (123 W.L.)

HUB-A - HORIZONS 1 - (127 DEG WL)

HUB-A - IA-8 - (89 W.L.)

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

HUB-B - ALSAT - (ALSAT)

HUB-B - GALAXY 10R - (123 W.L.)

HUB-B - HORIZONS 1 - (127 DEG WL)

HUB-B - IA-8 - (89 W.L.)

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

HUB-C 7.6M - ALSAT - (ALSAT)

HUB-C 7.6M - GALAXY 10R - (123 W.L.)

HUB-C 7.6M - HORIZONS 1 - (127 DEG WL)

HUB-C 7.6M - IA-8 - (89 W.L.)

HUB-C 7.6M - SATMEX-5 - (116.8 W.L.)

HUB-D 7.6M - ALSAT - (ALSAT)

HUB-D 7.6M - GALAXY 10R - (123 W.L.)

HUB-D 7.6M - HORIZONS 1 - (127 DEG WL)

HUB-D 7.6M - IA-8 - (89 W.L.)

HUB-D 7.6M - SATMEX-5 - (116.8 W.L.)

HUB-E 6.1M - ALSAT - (ALSAT)

HUB-E 6.1M - GALAXY 10R - (123 W.L.)

HUB-E 6.1M - HORIZONS 1 - (127 DEG WL)

HUB-E 6.1M - IA-8 - (89 W.L.)

HUB-E 6.1M - SATMEX-5 - (116.8 W.L.)

HUB-F 5.6M - ALSAT - (ALSAT)
HUB-F 5.6M - GALAXY 10R - (123 W.L.)
HUB-F 5.6M - HORIZONS 1 - (127 DEG WL)
HUB-F 5.6M - IA-8 - (89 W.L.)
HUB-F 5.6M - SATMEX-5 - (116.8 W.L.)
HUB-G 4.6M - ALSAT - (ALSAT)
HUB-G 4.6M - SATMEX-5 - (116.8 W.L.)
MESH 1.2M - ALSAT - (ALSAT)
MESH 1.8M - ALSAT - (ALSAT)
MESH 2.4M - ALSAT - (ALSAT)
R1.2M - SATMEX-5 - (116.8 W.L.)
TF TR 1.2M - ALSAT - (ALSAT)
TF TR 1.2M - SATMEX-5 - (116.8 W.L.)
TF TR 74CM - AMC-3 - (87 W.L.)
TF TR 74CM - AMC-4 (formerl GE-4 - (101 W.L.)
TF TR 74CM - AMC-6 - (72 W.L.)
TF TR 74CM - AMSC-9 - (85 W.L.)
TF TR 74CM - GALAXY 10R - (123 W.L.)
TF TR 74CM - GALAXY 17 - (91 W.L.)
TF TR 74CM - GALAXY 18 - (123 W.L.)
TF TR 74CM - GALAXY 19 - (97 W.L.)
TF TR 74CM - GALAXY 4R - (99 W.L.)
TF TR 74CM - GALAXY III-C - (95 W.L.)
TF TR 74CM - GALAXY XI - (91 W.L.)
TF TR 74CM - HORIZONS 1 - (127 DEG WL)
TF TR 74CM - IA-8 - (89 W.L.)
TF TR 74CM - INTELSAT AMERICAS 5 - (97 W.L.)
TF TR 74CM - INTELSAT AMERICAS-6 - (93 W.L.)
TF TR 74CM - SATMEX 6 - (113 W.L.)
TF TR 74CM - SATMEX-5 - (116.8 W.L.)

TF TR 98CM - AMC-3 - (87 W.L.)

TF TR 98CM - AMC-4 (formerl GE-4 - (101 W.L.)

TF TR 98CM - AMC-6 - (72 W.L.)

TF TR 98CM - AMSC-9 - (85 W.L.)

TF TR 98CM - GALAXY 10R - (123 W.L.)

TF TR 98CM - GALAXY 17 - (91 W.L.)

TF TR 98CM - GALAXY 18 - (123 W.L.)

TF TR 98CM - GALAXY 19 - (97 W.L.)

TF TR 98CM - GALAXY 4R - (99 W.L.)

TF TR 98CM - GALAXY III-C - (95 W.L.)

TF TR 98CM - GALAXY XI - (91 W.L.)

TF TR 98CM - HORIZONS 1 - (127 DEG WL)

TF TR 98CM - IA-8 - (89 W.L.)

TF TR 98CM - INTELSAT AMERICAS 5 - (97 W.L.)

TF TR 98CM - INTELSAT AMERICAS-6 - (93 W.L.)

TF TR 98CM - SATMEX 6 - (113 W.L.)

TF TR 98CM - SATMEX-5 - (116.8 W.L.)

TFTR 74-2CM - AMC-3 - (87 W.L.)

TFTR 74-2CM - AMC-4 (formerl GE-4 - (101 W.L.)

TFTR 74-2CM - AMC-6 - (72 W.L.)

TFTR 74-2CM - AMSC-9 - (85 W.L.)

TFTR 74-2CM - GALAXY 10R - (123 W.L.)

TFTR 74-2CM - GALAXY 17 - (91 W.L.)

TFTR 74-2CM - GALAXY 18 - (123 W.L.)

TFTR 74-2CM - GALAXY 19 - (97 W.L.)

TFTR 74-2CM - GALAXY 4R - (99 W.L.)

TFTR 74-2CM - GALAXY III-C - (95 W.L.)

TFTR 74-2CM - GALAXY XI - (91 W.L.)

TFTR 74-2CM - HORIZONS 1 - (127 DEG WL)

TFTR 74-2CM - IA-8 - (89 W.L.)

TFTR 74-2CM - INTELSAT AMERICAS 5 - (97 W.L.)

TFTR 74-2CM - INTELSAT AMERICAS-6 - (93 W.L.)

TFTR 74-2CM - SATMEX 6 - (113 W.L.)

TFTR 74-2CM - SATMEX-5 - (116.8 W.L.)

TR 1.0M - ALSAT - (ALSAT)

TR 1.0M - SATMEX-5 - (116.8 W.L.)

TR 1.2M - ALSAT - (ALSAT)

TR 1.2M - SATMEX-5 - (116.8 W.L.)

TR 1.8M - ALSAT - (ALSAT)

TR 1.8M - SATMEX-5 - (116.8 W.L.)

TR 2.4M - ALSAT - (ALSAT)

TR 2.4M - SATMEX-5 - (116.8 W.L.)

TR 74-2 CM - AMC-3 - (87 W.L.)

TR 74-2 CM - AMC-4 (formerl GE-4 - (101 W.L.)

TR 74-2 CM - AMC-6 - (72 W.L.)

TR 74-2 CM - AMSC-9 - (85 W.L.)

TR 74-2 CM - GALAXY 10R - (123 W.L.)

TR 74-2 CM - GALAXY 17 - (91 W.L.)

TR 74-2 CM - GALAXY 18 - (123 W.L.)

TR 74-2 CM - GALAXY 19 - (97 W.L.)

TR 74-2 CM - GALAXY 4R - (99 W.L.)

TR 74-2 CM - GALAXY III-C - (95 W.L.)

TR 74-2 CM - GALAXY XI - (91 W.L.)

TR 74-2 CM - HORIZONS 1 - (127 DEG WL)

TR 74-2 CM - IA-8 - (89 W.L.)

TR 74-2 CM - INTELSAT AMERICAS 5 - (97 W.L.)

TR 74-2 CM - INTELSAT AMERICAS-6 - (93 W.L.)

TR 74-2 CM - SATMEX 6 - (113 W.L.)

TR 74-2 CM - SATMEX-5 - (116.8 W.L.)

TR 74CM - AMC-3 - (87 W.L.)

TR 74CM - AMC-4 (formerl GE-4 - (101 W.L.)

TR 74CM - AMC-6 - (72 W.L.)

TR 74CM - AMSC-9 - (85 W.L.)

TR 74CM - GALAXY 10R - (123 W.L.)

TR 74CM - GALAXY 17 - (91 W.L.)

TR 74CM - GALAXY 18 - (123 W.L.)

TR 74CM - GALAXY 19 - (97 W.L.)

TR 74CM - GALAXY 4R - (99 W.L.)

TR 74CM - GALAXY III-C - (95 W.L.)

TR 74CM - GALAXY XI - (91 W.L.)

TR 74CM - HORIZONS 1 - (127 DEG WL)

TR 74CM - IA-8 - (89 W.L.)

TR 74CM - INTELSAT AMERICAS 5 - (97 W.L.)

TR 74CM - INTELSAT AMERICAS-6 - (93 W.L.)

TR 74CM - SATMEX 6 - (113 W.L.)

TR 74CM - SATMEX-5 - (116.8 W.L.)

TR 98CM - AMC-3 - (87 W.L.)

TR 98CM - AMC-4 (formerl GE-4 - (101 W.L.)

TR 98CM - AMC-6 - (72 W.L.)

TR 98CM - GALAXY 10R - (123 W.L.)

TR 98CM - GALAXY 17 - (91 W.L.)

TR 98CM - GALAXY 18 - (123 W.L.)

TR 98CM - GALAXY 19 - (97 W.L.)

TR 98CM - GALAXY 4R - (99 W.L.)

TR 98CM - GALAXY III-C - (95 W.L.)

TR 98CM - GALAXY XI - (91 W.L.)

TR 98CM - HORIZONS 1 - (127 DEG WL)

TR 98CM - IA-8 - (89 W.L.)

TR 98CM - INTELSAT AMERICAS 5 - (97 W.L.)

TR 98CM - INTELSAT AMERICAS-6 - (93 W.L.)

TR 98CM - SATMEX 6 - (113 W.L.)

TR 98CM - SATMEX-5 - (116.8 W.L.)

SES-MOD-20080709-00915 E E990138 EchoStar Corporation

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

This is a request for modification of earth station license with call sign E990138 to add the newly licensed EchoStar 11 satellite at 110.0W as a point of communication and to add certain emission designators.

SITE ID: CHEYENNE

LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY

41 ° 7 ' 56.85 " N LAT.

104 ° 44 ' 12.85 " W LONG.

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

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-MOD-20080709-00916 E E990139 EchoStar Corporation

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

Modification application filed to add the newly licensed EchoStar 11 satellite at 110.0W as a point of communication and to add certain emission designators.

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	
	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)
	12200.0000 - 12700.0000 MHz		24M0G1W		DIGITAL VIDEO, FEC 3/4 (DBS)
	12200.0000 - 12700.0000 MHz		1M50G2D		TELEMETRY BEACON (TT&C)
	12200.0000 - 12210.0000 MHz		800KG2D		TT&C
	12690.0000 - 12700.0000 MHz		800KG2D		TT&C
	17300.0000 - 17310.0000 MHz		800KG2D	86.41 dBW	TT&C
	17790.0000 - 17800.0000 MHz		800KG2D	86.41 dBW	TT&C
	12200.0000 - 12700.0000 MHz		24M0G7W		TT&C
	17300.0000 - 17800.0000 MHz		24M0G7W	85.00 dBW	TT&C
	17300.0000 - 17310.0000 MHz		1M50G2D	87.40 dBW	TELEMETRY BEACON
	17790.0000 - 17899.0000 MHz		1M50G2D	87.40 dBW	TELEMETRY BEACON

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-MOD-20080709-00917 E E080058 EchoStar Corporation

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

Modification filed to add the newly licensed EchoStar 11 satellite at 110.0W as a point of communication and to add certain emission designators.

SITE ID: Gilbert

LOCATION: 801 N. Dish Drive, Maricopa, Gilbert, AZ

33 ° 21 ' 55.60 " N LAT.

111 ° 48 ' 49.10 " W LONG.

ANTENNA ID:	GD9	9 meters	Vertex	9m
	17790.0000 - 17800.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
	17790.0000 - 17800.0000 MHz	800KG2D	78.10 dBW	Telecommand
	17310.0000 - 17790.0000 MHz	24M0G1W	86.50 dBW	Digital Data and Compressed Video
	17300.0000 - 17310.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
	17300.0000 - 17310.0000 MHz	800KG2D	78.10 dBW	Telecommand
	12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Spacecraft Ranging Tones
	12690.0000 - 12700.0000 MHz	1M50F2D	0.00 dBW	Telemetry
	12210.0000 - 12690.0000 MHz	24M0G1W	0.00 dBW	Digital Data and Compressed Video

12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Spacecraft Ranging Tones
12200.0000 - 12210.0000 MHz	1M50F2D	0.00 dBW	Telemetry
12200.0000 - 12210.0000 MHz	800KG2D		TT&C
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
12200.0000 - 12700.0000 MHz	24M0G7W	86.50 dBW	Digital Data and Compressed Video
17300.0000 - 17800.0000 MHz	24M0G7W	86.50 dBW	Digital Data and Compressed Video
ANTENNA ID: GD10	9 meters	Vertex	9m
17790.0000 - 17800.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
17790.0000 - 17800.0000 MHz	800KG2D	78.10 dBW	Telecommand
17310.0000 - 17790.0000 MHz	24M0G1W	86.50 dBW	Digital Data and Compressed Video
17300.0000 - 17310.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
17300.0000 - 17310.0000 MHz	800KG2D	78.10 dBW	Telecommand
12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Spacecraft Ranging Tones
12690.0000 - 12700.0000 MHz	1M50F2D	0.00 dBW	Telemetry
12210.0000 - 12690.0000 MHz	24M0G1W	0.00 dBW	Digital Data and Compressed Video
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Spacecraft Ranging Tones
12200.0000 - 12210.0000 MHz	1M50F2D	0.00 dBW	Telemetry
12200.0000 - 12210.0000 MHz	800KG2D		TT&C
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Data and Compressed Video
17300.0000 - 17800.0000 MHz	24M0G7W	85.50 dBW	Digital Data and Compressed Video

Points of Communication:

Gilbert - EHOSTAR 11 - (110 W.L.)

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

Gilbert - EHOSTAR 3 - (61.5 W.L.)

Gilbert - EHOSTAR 4 - (77 W.L.)

Gilbert - EHOSTAR 5 - (129 W.L.)

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

Gilbert - ECHOSTAR 6 - (72.7 W.L.)

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

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

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

Gilbert - RAINBOW1 - (61.5 W.L.)

SES-MOD-20080709-00918 E E070273 EchoStar Corporation

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

Modification application to add the newly licensed EchoStar 11 satellite at 110.0W as a point of communication and to add certain emission designators.

SITE ID: Mt. Jackson

LOCATION: 335 Dish Drive, Shenandoah, Quicksburg, VA

38 ° 43 ' 24.30 " N LAT.

78 ° 40 ' 0.20 " W LONG.

ANTENNA ID:	VAD 1	9 meters	Vertex	9 meter
	17790.0000 - 17800.0000 MHz	1M50F3D	82.96 dBW	Ranging Tones
	17790.0000 - 17800.0000 MHz	1M50G2D	82.96 dBW	Telecommand
	17310.0000 - 17790.0000 MHz	24M0G1W	86.90 dBW	Compressed Digital Video and Data
	17300.0000 - 17310.0000 MHz	1M50F3D	82.96 dBW	Ranging Tones
	17300.0000 - 17310.0000 MHz	1M50G2D	82.96 dBW	Telecommand
	12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz	1M50G2D	0.00 dBW	Telemetry
	12210.0000 - 12690.0000 MHz	24M0G1W	0.00 dBW	Compressed Digital Video and Data
	12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
	12200.0000 - 12210.0000 MHz	1M50G2D	0.00 dBW	Telemetry
	12200.0000 - 12210.0000 MHz	800KG2D		TT&C
	12690.0000 - 12700.0000 MHz	800KG2D		TT&C
	17300.0000 - 17310.0000 MHz	800KG2D	80.20 dBW	TT&C
	17790.0000 - 17800.0000 MHz	800KG2D	80.20 dBW	TT&C

12200.0000 - 12700.0000 MHz	24M0G7W		Digital data and compressed video
17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital data and compressed video

Points of Communication:

- Mt. Jackson - EHOSTAR 10 - (110 W.L.)
- Mt. Jackson - EHOSTAR 11 - (110 W.L.)
- Mt. Jackson - EHOSTAR 2 - (148 W.L.)
- Mt. Jackson - EHOSTAR 3 - (61.5 W.L.)
- Mt. Jackson - EHOSTAR 5 - (129 W.L.)
- Mt. Jackson - EHOSTAR 6 - (110 W.L.)
- Mt. Jackson - EHOSTAR 7 - (119 W.L.)
- Mt. Jackson - EHOSTAR 8 - (110 W.L.)
- Mt. Jackson - EHOSTAR I - (148.0 W.L.)
- Mt. Jackson - RAINBOW1 - (61.5 W.L.)

SES-MOD-20080709-00919 E E070275 EchoStar Corporation

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

Modification application filed to add the newly licensed EchoStar 11 satellite at 110.0W as a point of communication and to add certain emission designators.

SITE ID: Spokane

LOCATION: 9815 West Hallett Road, Spokane, Spokane, WA
47 ° 35 ' 33.80 " N LAT.

117 ° 33 ' 4.00 " W LONG.

ANTENNA ID:	WAD 1	9.1 meters	Vertex	9 meter
	17790.0000 - 17800.0000 MHz	1M50F3D	82.96 dBW	Ranging Tones
	17790.0000 - 17800.0000 MHz	1M50G2D	82.96 dBW	Telecommand
	17310.0000 - 17790.0000 MHz	24M0G1W	86.90 dBW	Compressed Digital Video and Data
	17300.0000 - 17310.0000 MHz	1M50F3D	82.96 dBW	Ranging Tones
	17300.0000 - 17310.0000 MHz	1M50G2D	82.96 dBW	Telecommand
	12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz	1M50G2D	0.00 dBW	Telemetry

12210.0000 - 12690.0000 MHz	24M0G1W	0.00 dBW	Compressed Digital Video and Data
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12200.0000 - 12210.0000 MHz	1M50G2D	0.00 dBW	Telemetry
12200.0000 - 12210.0000 MHz	800KG2D		TT&C
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
17300.0000 - 17310.0000 MHz	800KG2D	80.20 dBW	TT&C
17790.0000 - 17800.0000 MHz	800KG2D	80.20 dBW	TT&C
12200.0000 - 12700.0000 MHz	24M0G7W		Digital data and compressed video
17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital data and compressed video

Points of Communication:

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

SES-MOD-20080722-00962 E E865132 MAYO FOUNDATION

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 200 FIRST STREET SW, OLMSTED, ROCHESTER, MN

44 ° 1 ' 18.00 " N LAT.

92 ° 27 ' 54.00 " W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC-ATLANTA 8010K

14000.0000 - 14500.0000 MHz	22M5F9F	85.00 dBW	ANALOG & DIGITAL ENCODED AUDIO/VIDEO
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14000.0000 - 14500.0000 MHz	32M0F8F	85.00 dBW	ANALOG & DIGITAL ENCODED AUDIO/VIDEO
11700.0000 - 12200.0000 MHz	22M5F9F		ANALOG & DIGITAL ENCODED AUDIO/VIDEO
11700.0000 - 12200.0000 MHz	32M0F8F		ANALOG & DIGITAL ENCODED AUDIO/VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20080723-00972 E E060388 Intelsat North America LLC

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 22401 Juniper Flats Road, Riverside, Nuevo, CA
33 ° 47 ' 48.10 " N LAT.

117 ° 5 ' 20.10 " W LONG.

ANTENNA ID: 1 16.4 meters VERTEX/RSI 16.4M

5925.0000 - 6425.0000 MHz	72M0G7W	89.90 dBW	Combination of Digital carriers
5925.0000 - 6425.0000 MHz	43K8G7W-	66.60 dBW	Digital Carriers
5925.0000 - 6425.0000 MHz	800KFXD	77.00 dBW	TT&C carrier
5925.0000 - 6425.0000 MHz	36M0F3F	85.40 dBW	Analog Video
3700.0000 - 4200.0000 MHz	72M0G7W		Combination of Digital carriers
3700.0000 - 4200.0000 MHz	43K8G7W		Digital Carriers
3700.0000 - 4200.0000 MHz	800KFXD		TT&C carrier
3700.0000 - 4200.0000 MHz	36M0F3F		Analog video

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20080724-00973 E E070068 MCI COMMUNICATIONS SERVICES, INC. (FKA MCI WOLRDCOM COMMUNICATIONS, INC.)

Application for Modification

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

"MOD" to add a new VSAT hub to the current existing VSAT network.

SITE ID: YAC/HUB
 LOCATION: 604 E. HOAG ST. (7.6M. HUB), CLARK, YACOLT, WA
 45 ° 51 ' 43.00 " N LAT. 122 ° 23 ' 46.00 " W LONG.

ANTENNA ID:	YAC-HUB1	7.6 meters	ANDREW	ES76K-1	
	14000.0000 - 14500.0000 MHz		36M0G7W	82.00 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz		156KG7W	60.90 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz		36M0G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz		156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote1
 LOCATION: 1.2 M. VSAT, (6000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R1	1.2 meters	PRODELIN	1123	
	14000.0000 - 14500.0000 MHz		2M50G7W	54.66 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz		156KG7W	45.11 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz		2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz		156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote5
 LOCATION: 1.8 M. VSAT, (3000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 5	1.8 meters	PATRIOT	TX-INT180KU	
	14000.0000 - 14500.0000 MHz		2M50G7W	58.46 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz		156KG7W	48.91 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz		2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz		156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote6
 LOCATION: 2.4 M. VSAT, (1000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 6	2.4 meters	PATRIOT	TXFCC-240KUS	
	14000.0000 - 14500.0000 MHz		2M50G7W	61.06 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz		156KG7W	51.51 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz		2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz		156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote7
LOCATION: 1.2 M. VSAT, (6000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 7	1.2 meters	CHANNEL MASTER	TYPE 123
	14000.0000 - 14500.0000 MHz	2M50G7W	54.76 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	45.21 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote8
LOCATION: 1.8 M. VSAT, (3000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 8	1.8 meters	CHANNEL MASTER	TYPE 180
	14000.0000 - 14500.0000 MHz	2M50G7W	58.26 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	48.71 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote2
LOCATION: 1.8 M. VSAT, (3000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R2	1.8 meters	PRODELIN	1183
	14000.0000 - 14500.0000 MHz	2M50G7W	57.96 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	48.41 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote3
LOCATION: 2.4 M. VSAT, (1000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 3	2.4 meters	PRODELIN	1251
	14000.0000 - 14500.0000 MHz	2M50G7W	60.66 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	51.11 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote10
LOCATION: 2.4 M. VSAT, (1000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 10	2.4 meters	CHANNEL MASTER	TYPE 243
	14000.0000 - 14500.0000 MHz	2M50G7W	60.76 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	51.21 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote4
LOCATION: 1.2 M. VSAT, (6000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 4	1.2 meters	PATRIOT	TX-INT120KU
	14000.0000 - 14500.0000 MHz	2M50G7W	54.86 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	45.31 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote15
LOCATION: 1.8 M. VSAT, (3000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 15	1.8 meters	PRODELIN	1189
	14000.0000 - 14500.0000 MHz	2M50G7W	56.76 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	47.21 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote16
LOCATION: 2.4 M. VSAT, (1000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 16	2.4 meters	PRODELIN	1259
	14000.0000 - 14500.0000 MHz	2M50G7W	60.66 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	51.11 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote19
LOCATION: 1.2 M. VSAT, (6000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 19	1.2 meters	PATRIOT	TXFLY-120KU
	14000.0000 - 14500.0000 MHz	2M50G7W	54.96 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	45.41 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote20
LOCATION: 1.8 M. VSAT, (3000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 20	1.8 meters	PATRIOT	TXFLY-180KU
	14000.0000 - 14500.0000 MHz	2M50G7W	50.96 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	41.41 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote13
LOCATION: 1.2 M. VSAT, (6000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 13	1.2 meters	PRODELIN	1134
	14000.0000 - 14500.0000 MHz	2M50G7W	54.46 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	44.91 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote14
LOCATION: 1.2 M. VSAT, (6000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 14	1.2 meters	PRODELIN	1138
	14000.0000 - 14500.0000 MHz	2M50G7W	54.66 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	45.11 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote22
LOCATION: 1.8 M. VSAT, (1000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 22	1.8 meters	PRODELIN	2194
	14000.0000 - 14500.0000 MHz	2M50G7W	58.16 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	48.61 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: Remote23
LOCATION: 2.4 M. VSAT, (1000 UNITS), CONUS, AK, HI PR, VI

ANTENNA ID:	R 23	2.4 meters	PRODELIN	2244
	14000.0000 - 14500.0000 MHz	2M50G7W	59.06 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	49.51 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	2M50G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

SITE ID: BACKUP HUB2
LOCATION: 604 E. HOAG ST. (9.0M. HUB2), CLARK, YACOLT, WA
45 ° 51 ' 43.00 " N LAT. 122 ° 23 ' 46.00 " W LONG.

ANTENNA ID:	YAC-HUB2	9 meters	VERTEX/RSI	9.0M
	14000.0000 - 14500.0000 MHz	36M0G7W	85.60 dBW	DIGITAL VIDEO, AND DATA
	14000.0000 - 14500.0000 MHz	156KG7W	62.00 dBW	DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AND DATA
	11700.0000 - 12200.0000 MHz	156KG7W		DIGITAL VIDEO, AND DATA

Points of Communication:

BACKUP HUB2 - ALSAT - (ALSAT)
Remote1 - ALSAT - (ALSAT)
Remote10 - ALSAT - (ALSAT)
Remote13 - ALSAT - (ALSAT)
Remote14 - ALSAT - (ALSAT)
Remote15 - ALSAT - (ALSAT)

Remote16 - ALSAT - (ALSAT)

Remote19 - ALSAT - (ALSAT)

Remote2 - ALSAT - (ALSAT)

Remote20 - ALSAT - (ALSAT)

Remote22 - ALSAT - (ALSAT)

Remote23 - ALSAT - (ALSAT)

Remote3 - ALSAT - (ALSAT)

Remote4 - ALSAT - (ALSAT)

Remote5 - ALSAT - (ALSAT)

Remote6 - ALSAT - (ALSAT)

Remote7 - ALSAT - (ALSAT)

Remote8 - ALSAT - (ALSAT)

YAC/HUB - ALSAT - (ALSAT)

SES-MOD-20080725-00988 E E880104 MICROSPACE COMMUNICATIONS CORPORATION

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

"MOD" to change emission designator and related service.

SITE ID: 1

LOCATION: 3100 Highwoods Blvd., WAKE, RALEIGH, NC

35 ° 49 ' 18.00 " N LAT.

78 ° 36 ' 24.00 " W LONG.

ANTENNA ID: 1 5.5 meters SCIENTIFIC ATLANTA MODEL 8101

14000.0000 - 14500.0000 MHz 36M0F9W 69.00 dBW

Points of Communication:

1 - ALSAT - (ALSAT)

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