



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. **SES-01028**

Wednesday April 30, 2008

SATELLITE COMMUNICATIONS SERVICES INFORMATION

RE: ACTIONS TAKEN

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

SES-ASG-20080425-00487 E E070136 TUCKER BROADCASTING OF TRAVERSE CITY, INC.
Application for Consent to Assignment
Grant of Authority Date Effective: 04/28/2008

Current Licensee: MAX MEDIA OF TRAVERSE CITY LLC
FROM: MAX MEDIA OF TRAVERSE CITY LLC
TO: TUCKER BROADCASTING OF TRAVERSE CITY, INC.

No. of Station(s) listed: 1

SES-LIC-20080227-00204 E E080048 Centro Cristiano Vida Abundante, Inc. **EZ**
Application for Authority 04/23/2008 - 04/23/2023
Grant of Authority Date Effective: 04/23/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 121 West Albine, Santa Barbara, Santa Maria, CA
34 ° 57 ' 9.00 " N LAT. 120 ° 25 ' 35.00 " W LONG.

ANTENNA ID: K2.4M 2.4 meters Prodelin 1251
14000.0000 - 14500.0000 MHz 36M0G7F 62.60 dBW QPSK--digital video and audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20080318-00321 E E080066 Dawnbreaker Communications, LLC.
Application for Authority 04/23/2008 - 04/23/2023
Grant of Authority Date Effective: 04/23/2008

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

1 - ALSAT - (ALSAT)

SES-MFS-20080310-00258 E KA322 MTN License Corp.
Modification 04/10/2002 - 04/10/2012
Grant of Authority Date Effective: 04/29/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 200 TELEGRAPH HILL ROAD, MONMOUTH, HOLMDEL, NJ
40 ° 23 ' 40.00 " N LAT. 74 ° 10 ' 26.00 " W LONG.

ANTENNA ID:	1	SCIENTIFIC ATLANTA	8007
5925.0000 - 6425.0000 MHz	36M0F8F	81.40 dBW	Analog video with associated audio
5925.0000 - 6425.0000 MHz	36M0G7W	81.40 dBW	Data, Voice, video conferencing, IBS, IDR
3700.0000 - 4200.0000 MHz	36M0F8F		Analog video with associated audio
3700.0000 - 4200.0000 MHz	36M0G7W		Data, Voice, video conferencing, IBS, IDR

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - STATIONAR 11 - (11 W.L.)
- 1 - STATIONAR 4 - (14.0 W.L.)

SES-MFS-20080310-00259 E KA257 MTN License Corp.
Modification 09/25/1999 - 09/25/2009
Grant of Authority Date Effective: 04/29/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 200 TELEGRAPH HILL ROAD, MONMOUTH, HOLMDEL, NJ
40 ° 23 ' 39.70 " N LAT. 74 ° 10 ' 24.10 " W LONG.

ANTENNA ID:	1	21 meters	VERTEX	21KPC
5925.0000 - 6425.0000 MHz	36M0F9W	88.00 dBW	VOICE ,DATA, DIGITAL VIDEO, FAX, VIDEO CONFEREN, CABLE REST	
3700.0000 - 4200.0000 MHz	36M0F9W		VOICE, DATA, DIGITAL VIDEO, FAX, VIDEO CONFEREN, CABLE RES	

14000.0000 - 14500.0000 MHz	400KG7D	46.10 dBW	QPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7W	46.10 dBW	QPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	46.10 dBW	QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER

SITE ID: R1.2M
LOCATION: VSAT 1.2M (10 UNITS) CONUS, AK, HI, PR, VI

ANTENNA ID: R1.2 1.2 meters PRODELIN 1134

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

14000.0000 - 14500.0000 MHz	200KG7D	42.00 dBW	QPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	42.00 dBW	QPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	42.00 dBW	QPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	42.00 dBW	QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D		QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D		QPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER

11700.0000 - 12200.0000 MHz	24M0G7D			QPSK, 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	
14000.0000 - 14500.0000 MHz	400KG7D	46.10 dBW		QPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	46.10 dBW		QPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	46.10 dBW		QPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	46.10 dBW		QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D			QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D			QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	12M0G7D			QPSK, DATA, 10 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D			QPSK, 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		QPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	49.70 dBW		QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	200KG7D	49.70 dBW		QPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	49.70 dBW		QPSK, DIGITAL, 256 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D			QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER

11700.0000 - 12200.0000 MHz	36M0G7D	QPSK, DATA, 30 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-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	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	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
11700.0000 - 12200.0000 MHz	200KG7D		QPSK, 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	QPSK, 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	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

SITE ID: TR 98CM
LOCATION: VSAT 0.98M (60,000 UNITS), CONUS, AK, HI, PR, VI

ANTENNA ID: TR 98CM 0.98 meters PRODELIN 3981-226

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	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
11700.0000 - 12200.0000 MHz	6M0G7D		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	6M0G7D		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
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

ANTENNA ID: TR 98CM 0.98 meters RAVEN MANUFACTURING LIMITED HNS-AN-098R-KU

SITE ID: TF TR 98CM
LOCATION: VSAT 0.98M temporary-fixed (54,000 UNITS), CONUS, AK, HI, PR,VI

ANTENNA ID: TF TR 98 0.98 meters PRODELIN 3981-226

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	1M60G7D	44.30 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	44.30 dBW	OQPSK, DIGITAL, 512 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	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
11700.0000 - 12200.0000 MHz	24M0G7D		OQPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST 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

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	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
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14000.0000 - 14500.0000 MHz	400KG7W	42.00 dBW	OQPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	42.00 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	42.00 dBW	OQPSK, DIGITAL, 512 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		OQPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D		OQPSK, DATA, 20 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-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	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	200KG7D		OQPSK, DIGITAL, 128 KSPS, RETURN 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

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	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER

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	OQPSK, DATA, 5 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	12M0G7D	73.80 dBW	OQPSK, 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	OQPSK, 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	6M0G7D	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	QPSK, DATA, 20 MSPS, MULTIMEDIA BROADCAST CARRIER
14000.0000 - 14500.0000 MHz	36M0G7D	97.70 dBW	QPSK, DATA, 30 MSPS, MULTIMEDIA BROADCAST CARRIER
11700.0000 - 12200.0000 MHz	200KG7D		QPSK, DATA, 128 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	400KG7D		QPSK, 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		QPSK, 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	6M0G7D	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	77.70 dBW	QPSK, 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	
	14000.0000 - 14500.0000 MHz		156KG7D	48.60 dBW	BPSK OR OQPSK, DATA, MESH CARRIER
	11700.0000 - 12200.0000 MHz		156KG7D		BPSK OR OQPSK, DATA, MESH CARRIER

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	
	14000.0000 - 14500.0000 MHz		307KG7D	53.70 dBW	BPSK OR OQPSK, DATA, MESH CARRIER
	11700.0000 - 12200.0000 MHz		307KG7D		BPSK OR OQPSK, DATA, MESH CARRIER

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 SYSTEMS	PES-RFT-120	
	14000.0000 - 14500.0000 MHz		156KG7D	45.00 dBW	BPSK OR OQPSK, DATA, MESH CARRIER
	11700.0000 - 12200.0000 MHz		156KG7D		BPSK OR OQPSK, DATA, MESH CARRIER

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	
	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			QPSK, DATA, 20 MSPS, MULTIMEDIA
11700.0000 - 12200.0000 MHz	36M0G7D			QPSK, DATA, 30 MSPS, MULTIMEDIA
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		QPSK, DIGITAL, 128 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	400KG7D	41.70 dBW		QPSK, DIGITAL, 256 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	800KG7D	41.70 dBW		QPSK, DIGITAL, 512 KSPS, RETURN CARRIER
14000.0000 - 14500.0000 MHz	1M60G7D	41.70 dBW		QPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
11700.0000 - 12200.0000 MHz	6M00G7D			QPSK, DATA, 5 MSPS, MULTIMEDIA
11700.0000 - 12200.0000 MHz	12M0G7D			QPSK, DATA, 10 MSPS, MULTIMEDIA
11700.0000 - 12200.0000 MHz	24M0G7D			QPSK, DATA, 20 MSPS, MULTIMEDIA
11700.0000 - 12200.0000 MHz	36M0G7D			QPSK, 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

SITE ID: TFTR 98CM
LOCATION: 54,000 (98CM ANTENNAS) CONUS, AK, HI, VI, PR

ANTENNA ID:	TFTR 98CM	0.98 meters	RAVEN MANUFACTURING LIMITED	HNS-AN-098R-KU
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
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

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 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 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 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 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 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 - AMSC-9 - (85 W.L.)

TR 98CM - GALAXY 10R - (123 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-20080304-00223 E E000035 SPACENET SERVICES LICENSE SUB INC
Application for Modification 07/12/2000 - 07/12/2010
Grant of Authority Date Effective: 04/29/2008

Class of Station: Other

Nature of Service: Fixed Satellite Service

SITE ID: REMOTE
LOCATION: {VSAT Network w. slotted Aloha access} (500,000)0.75M(0.89 X 0.62) RU, CONUS,AK, HI, PR, VI

ANTENNA ID:	0.75M	0.75 meters	ANDREW	75E
14000.0000 - 14500.0000 MHz		100KG7D	35.50 dBW	38.4 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 100 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz		60K0G7D	35.50 dBW	38.4 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 60 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz		200KG7D	38.50 dBW	76.8 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 200 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz		120KG7D	38.50 dBW	76.8 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 120 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz		400KG7D	38.50 dBW	153.6KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 400 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz		240KG7D	38.50 dBW	153.6 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 240 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz		800KG7D	38.50 dBW	307.2 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 800 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz		480KG7D	38.50 dBW	307.2 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 480 KHZ BANDWIDTH, DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	425KG7D	128 KBPS, 1/2 RATE FEC, BPSK MODULATION, 425 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	400KG7D	256 KBPS, 1/2 RATE FEC, QPSK MODULATION, 400 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	800KG7D	256 KBPS, 1/2 RATE FEC, BPSK MODULATION, 800 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	600KG7D	384 KBPS, 1/2 RATE FEC, QPSK MODULATION, 600 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M20G7D	384 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	800KG7D	512 KBPS, 1/2 RATE FEC, QPSK MODULATION, 800 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	512 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,600 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M20G7D	768 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D	768 KBPS, 1/2 RATE FEC, BPSK MODULATION, 2,400 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	1,024 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,600 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D	1,024 KBPS, 1/2 RATE FEC, BPSK MODULATION, 3,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	2M40G7D	1,536 KBPS, 1/2 RATE FEC, QPSK MODULATION, 2,400 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	4M80G7D	1,536 KBPS, 1/2 RATE FEC, BPSK MODULATION, 4,800 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D	2,048 KBPS, 1/2 RATE FEC, QPSK MODULATION, 3,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M40G7D	2,048 KBPS, 1/2 RATE FEC, BPSK MODULATION, 6,400 KHZ BANDWIDTH, DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	6M10G7D		3,500 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 6,100 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	8M10G7D		6,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 8,100 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M8G7D		8,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 10,800 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	16M2G7D		12,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 16,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	21M6G7D		16,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 21,600 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		26,700 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 36,000 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	43M2G7D		32,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 43,200 KHZ BANDWIDTH, DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	54M0G7D		40,000 KSPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 54,000 KHZ BANDWIDTH, DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	4840G7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	160KG7D	38.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	1M20G7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	242KG7D	41.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	2M20G7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	598KG7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	298KG7D	41.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER

SITE ID: Remote TF 75E
LOCATION: CONUS, AK, HI, PR, VI .75 METER (10,000 UNITS)

ANTENNA ID:	TF 75E	0.75 meters	ANDREW	75E
	14000.0000 - 14500.0000 MHz	60KG7D	35.50 dBW	38.4 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 60 KHZ BANDWIDTH DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	120KG7D	38.50 dBW	76.8 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 120 KHZ BANDWIDTH DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	100KG7D	35.50 dBW	38.4 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 100 KHZ BANDWIDTH DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	200KG7D	38.50 dBW	76.8 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 200 KHZ BANDWIDTH DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	240KG7D	38.50 dBW	153.6 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 240 KHZ BANDWIDTH DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	400KG7D	38.50 dBW	153.6 KBPS, 1/2 RATE FEC, DPSK MODULATION (BPSK VARIANT), 400 KHZ BANDWIDTH DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	480KG7D	38.50 dBW	307.2 KBPS, 1/2 RATE FEC, MSK MODULATION (QPSK VARIANT), 480 KHZ BANDWIDTH DIGITAL CARRIER
	14000.0000 - 14500.0000 MHz	800KG7D	38.50 dBW	307.2 KBPS, 1/2 RATE FEC, BPSK MODULATION (BPSK VARIANT), 800 KHZ BANDWIDTH DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz	400KG7D		256 KBPS, 1/2 RATE FEC, QPSK MODULATION, 400 KHZ BANDWIDTH DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz	425KG7D		128 KBPS, 1/2 RATE FEC, BPSK MODULATION, 425 KHZ BANDWIDTH DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz	600KG7D		384 KBPS, 1/2 RATE FEC, QPSK MODULATION, 600 KHZ BANDWIDTH DIGITAL CARRIER
	11700.0000 - 12200.0000 MHz	800KG7D		256 KBPS, 1/2 RATE FEC, BPSK MODULATION, 800 KHZ BANDWIDTH DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	800KG7D	512 KBPS, 1/2 RATE FEC, QPSK MODULATION, 800 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M20G7D	384 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M20G7D	768 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	512 KBPS, 1/2 RATE FEC, BPSK MODULATION, 1,600 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	24M0G7D	768 KBPS, 1/2 RATE FEC, BPSK MODULATION, 2,400 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	1M60G7D	1,024 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1,600 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	2M40G7D	1,536 KBPS, 1/2 RATE FEC, QPSK MODULATION, 2,400 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D	1,024 KBPS, 1/2 RATE FEC, BPSK MODULATION, 3,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	3M20G7D	2,048 KBPS, 1/2 RATE FEC, QPSK MODULATION, 3,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	4M80G7D	1,536 KBPS, 1/2 RATE FEC, BPSK MODULATION, 4,800 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M40G7D	2,048 KBPS, 1/2 RATE FEC, BPSK MODULATION, 6,400 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	6M10G7D	3,500 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 6,100 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	8M10G7D	6,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 8,100 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	10M8G7D	8,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 10,800 KHZ BANDWIDTH DIGITAL CARRIER

11700.0000 - 12200.0000 MHz	16M2G7D		12,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 16,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	21M6G7D		16,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 21,600 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	36M0G7D		26,700 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 36,000 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	43M2G7D		32,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 43,200 KHZ BANDWIDTH DIGITAL CARRIER
11700.0000 - 12200.0000 MHz	54M0G7D		40,000 KBPS, 1/2, 2/3, 3/4, 5/6, 7/8 RATE FEC, QPSK MODULATION, 54,000 KHZ BANDWIDTH DIGITAL CARRIER
14000.0000 - 14500.0000 MHz	160KG7D	38.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	1M20G7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	242KG7D	41.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	298KG7D	41.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	2M20G7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	4840G7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER
14000.0000 - 14500.0000 MHz	598KG7D	44.50 dBW	BPSK, QPSK, OR 8PSK DIGITALLY MODULATED CARRIER

Points of Communication:

- REMOTE - AMC 2 - (85.0 W.L.)
- REMOTE - AMC-4 (formerl GE-4 - (101 W.L.)
- REMOTE - AMC-5 (formerl GE-5 - (79 W.L.)
- REMOTE - AMC-6 - (72 W.L.)
- REMOTE - GE GSTAR 4 - (105 W.L.)
- REMOTE - HORIZONS 2 - (74.05 DEG)

REMOTE - IA-7 - (129 W.L.)

Remote TF 75E - AMC 2 - (85.0 W.L.)

Remote TF 75E - AMC-5 (formerl GE-5 - (79 W.L.)

Remote TF 75E - GE GSTAR 4 - (105 W.L.)

Remote TF 75E - GE-2 - (85 W.L.)

Remote TF 75E - GE-4 - (101 W.L.)

Remote TF 75E - GE-6 - (81 WL)

Remote TF 75E - HORIZONS 2 - (74.05 DEG)

Remote TF 75E - TELSTAR 7 - (129 W.L.)

SES-MOD-20080319-00328 E E010090 GLOBAL DIGITAL MEDIA XCHANGE, INC.
 Application for Modification 06/08/2001 - 06/08/2011
 Grant of Authority Date Effective: 04/28/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: WARNER BROS. FACILITY 411 HOLLYWOOD WAY, LOS ANGELES, BURBANK, CA
 34 ° 9 ' 31.00 " N LAT. 118 ° 20 ' 47.00 " W LONG.

ANTENNA ID: 4.5 4.5 meters ANDREW CORP. ESA45

3700.0000 - 4200.0000 MHz 15M6G7W- COMPRESSED DIGITAL VIDEO

3700.0000 - 4200.0000 MHz 36M0G7W COMPRESSED DIGITAL VIDEO

ANTENNA ID: 9.3 9.3 meters ANDREW CORP. ES93

5925.0000 - 6425.0000 MHz 15M6G7W- 75.80 dBW COMPRESSED DIGITAL VIDEO

5925.0000 - 6425.0000 MHz 36M0G7W 79.44 dBW COMPRESSED DIGITAL VIDEO

3700.0000 - 4200.0000 MHz 15M6G7W- COMPRESSED DIGITAL VIDEO

3700.0000 - 4200.0000 MHz 36M0G7W COMPRESSED DIGITAL VIDEO

5925.0000 - 6425.0000 MHz 51K2G7W 50.97 dBW DIGITAL TRAFFIC, VARIOUS FEC,
 DATA RATES, MODULATION

5925.0000 - 6425.0000 MHz 36M0G7W 63.90 dBW DIGITAL TRAFFIC, VARIOUS FEC,
 DATA RATES, MODULATION

3700.0000 - 4200.0000 MHz 51K2G7W DIGITAL TRAFFIC, VARIOUS FEC,
 DATA RATES, MODULATION

3700.0000 - 4200.0000 MHz

36M0G7W

DIGITAL TRAFFIC, VARIOUS FEC,
DATA RATES, MODULATION

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20080324-00343 E E060218 RCN LICENSE SUBSIDIARY, INC.

Application for Modification

09/20/2006 - 09/20/2021

Grant of Authority

Date Effective: 04/28/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 339 MAIN STREET, GRAFTON, PLYMOUTH, NH

43 ° 46 ' 32.70 " N LAT.

71 ° 40 ' 55.70 " W LONG.

ANTENNA ID:	C-BAND1	3.8 meters	PRODELIN	1383	
	5925.0000 - 6425.0000 MHz		36M0F3F	72.49 dBW	STANDARD ANALOG VIDEO WITH ASSOCIATED AUDIO SUB CARRIERS
	5925.0000 - 6425.0000 MHz		36M0G7W	72.49 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
	5925.0000 - 6425.0000 MHz		51K2G7W	54.37 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
	3700.0000 - 4200.0000 MHz		36M0F3F		STANDARD ANALOG VIDEO WITH ASSOCIATED AUDIO SUB CARRIERS
	3700.0000 - 4200.0000 MHz		36M0G7W		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
	3700.0000 - 4200.0000 MHz		51K2G7W		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
ANTENNA ID:	C-BAND2	3.7 meters	ANDREW CORP.	ESA37	
	5925.0000 - 6425.0000 MHz		36M0G7W	72.79 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
	5925.0000 - 6425.0000 MHz		51K2G7W	44.32 dBW	DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
	3700.0000 - 4200.0000 MHz		36M0G7W		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.

3700.0000 - 4200.0000 MHz	51K2G7W			DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
ANTENNA ID: KU-BAND3	3.8 meters	PRODELIN		1383
14000.0000 - 14500.0000 MHz	36M0F3F	80.19 dBW		STANDARD ANALOG VIDEO WITH ASSOCIATED AUDIO SUB CARRIERS
14000.0000 - 14500.0000 MHz	36M0G7W	78.64 dBW		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
14000.0000 - 14500.0000 MHz	51K2G7W	50.17 dBW		DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
11700.0000 - 12200.0000 MHz	36M0F3F			STANDARD ANALOG VIDEO WITH ASSOCIATED AUDIO SUB CARRIERS
11700.0000 - 12200.0000 MHz	36M0G7W			DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.
11700.0000 - 12200.0000 MHz	51K2G7W			DIGITAL, QPSK, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFO.

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20080422-00480 E E861095 K Mart Corporation
 Renewal 05/27/2008 - 05/27/2023
 Grant of Authority Date Effective: 04/23/2008

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: HUB A
 LOCATION: 2240 WEST CUNNINGHAM DRIVE (6.3M. HUB A), OAKLAND, TROY, MI
 42 ° 33 ' 52.00 " N LAT. 83 ° 11 ' 32.00 " W LONG.

ANTENNA ID: HUB A	6.3 meters	VERTEX		6.3 KXX
14000.0000 - 14500.0000 MHz	1M60G7D	69.50 dBW		PSK, DATA, OUTROUTE, 1 MSPS
14000.0000 - 14500.0000 MHz	36M0G7D	83.00 dBW		PSK, DATA, OUTROUTE, 30 MSPS
11700.0000 - 12200.0000 MHz	200KG7D			PSK, DATA, INROUTE, 128 KSPS
11700.0000 - 12200.0000 MHz	1M60G7D			PSK, DATA, INROUTE, 1024 KSPS

SITE ID: REMOTE 1
LOCATION: 2240 WEST CUNNINGHAM DRIVE (1.2 M. VSAT) 1500 UNITS, CONUS, AK, HI, PR,VI

ANTENNA ID:	R 1.2M.PRO	1.2 meters	PRODELIN	1134	
	14000.0000 - 14500.0000 MHz		1M60G7D	46.10 dBW	PSK, DATA, INROUTE, 1024 KSPS
	14000.0000 - 14500.0000 MHz		200KG7D	46.10 dBW	PSK, DATA, INROUTE, 128 KSPS
	11700.0000 - 12200.0000 MHz		36M0G7D		PSK, DATA, OUTROUTE, 30 MSPS
	11700.0000 - 12200.0000 MHz		1M60G7D		PSK, DATA, OUTROUTE, 1 MSPS

SITE ID: REMOTE 2
LOCATION: 2240 WEST CUNNINGHAM DRIVE (1.8 M. VSAT) 10000 UNITS, CONUS, AK, HI, PR,VI

ANTENNA ID:	R 1.8M.	1.8 meters	NEC	1.8M.	
	14000.0000 - 14500.0000 MHz		1M60G7D	49.70 dBW	PSK, DATA, INROUTE, 1024 KSPS
	14000.0000 - 14500.0000 MHz		200KG7D	49.70 dBW	PSK, DATA, INROUTE, 128 KSPS
	11700.0000 - 12200.0000 MHz		36M0G7D		PSK, DATA, OUTROUTE, 30 MSPS
	11700.0000 - 12200.0000 MHz		1M60G7D		PSK, DATA, OUTROUTE, 1 MSPS

SITE ID: REMOTE 3
LOCATION: 2240 WEST CUNNINGHAM DRIVE (2.4 M. VSAT) 2000 UNITS, CONUS, AK, HI, PR,VI

ANTENNA ID:	R 2.4M.	2.4 meters	PRODELIN	1244	
	14000.0000 - 14500.0000 MHz		1M60G7D	52.20 dBW	PSK, DATA, INROUTE, 1024 KSPS
	14000.0000 - 14500.0000 MHz		200KG7D	52.20 dBW	PSK, DATA, INROUTE, 128 KSPS
	11700.0000 - 12200.0000 MHz		36M0G7D		PSK, DATA, OUTROUTE, 30 MSPS
	11700.0000 - 12200.0000 MHz		1M60G7D		PSK, DATA, OUTROUTE, 1 MSPS

SITE ID: REMOTE 4
LOCATION: 2240 WEST CUNNINGHAM DRIVE (1.2 M. VSATB) 1000 UNITS, CONUS, AK, HI, PR,VI

ANTENNA ID:	R 1.2M.B	1.2 meters	ANDREW	123	
	14000.0000 - 14500.0000 MHz		1M60G7D	46.10 dBW	OQPSK, DIGITAL, 1024 KSPS, RETURN CARRIER
	14000.0000 - 14500.0000 MHz		200KG7D	46.10 dBW	OQPSK, DIGITAL, 128 KSPS, RETURN CARRIER
	11700.0000 - 12200.0000 MHz		1M60G7D		OQPSK, DATA, 1024 KSPS, MULTIMEDIA

11700.0000 - 12200.0000 MHz

36M0G7D

QPSK, DATA, 30 MSPS,
MULTIMEDIA

Points of Communication:

HUB A - ALSAT - (ALSAT)

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 3 - ALSAT - (ALSAT)

REMOTE 4 - GALAXY 10R - (123 W.L.)

SES-RWL-20080425-00493 E E980153 ABS-CBN International, Inc.

Renewal

07/24/2008 - 07/24/2023

Grant of Authority

Date Effective: 04/28/2008

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: 2901 COLUMBIA AVE., CONTRA COSTA, RICHMOND, CA

37 ° 54 ' 17.00 " N LAT.

122 ° 18 ' 57.00 " W LONG.

ANTENNA ID: 13M 13 meters VERTEX 13KPC

5925.0000 - 6425.0000 MHz 9M00G1F 83.30 dBW Digital TV

5925.0000 - 6425.0000 MHz 24M0G7F 83.30 dBW Digital TV

5925.0000 - 6425.0000 MHz 200KF3E 67.80 dBW audio

5925.0000 - 6425.0000 MHz 38K4G7E 63.90 dBW audio

5925.0000 - 6425.0000 MHz 54K6G7W- 65.50 dBW Digital Data

5925.0000 - 6425.0000 MHz 6M84G7W 83.30 dBW Digital Data

5925.0000 - 6425.0000 MHz 81K9G7W- 67.20 dBW Digital Data

5925.0000 - 6425.0000 MHz 11M2G7W 83.30 dBW Digital Data

5925.0000 - 6425.0000 MHz 54K6G7W- 65.50 dBW Digital Data

5925.0000 - 6425.0000 MHz 35M9G7W 83.30 dBW Digital Data

5925.0000 - 6425.0000 MHz 18M0F8F- 83.30 dBW Analog TV

5925.0000 - 6425.0000 MHz 36M0F8F 83.30 dBW Analog TV

5925.0000 - 6425.0000 MHz 618KD7W- 72.40 dBW DIGITAL DATA

	5925.0000 - 6425.0000 MHz		20M3D7W	85.90 dBW	DIGITAL DATA
	3700.0000 - 4200.0000 MHz				Digital Data, Digital TV, SCPC audio
ANTENNA ID:	7.2M	7.2 meters	VERTEX		7.2 KPC
	5925.0000 - 6425.0000 MHz		9M00G1F	77.70 dBW	Digital TV
	5925.0000 - 6425.0000 MHz		24M0G7F	77.70 dBW	Digital TV
	5925.0000 - 6425.0000 MHz		18M0F8F-	77.70 dBW	Analog TV
	5925.0000 - 6425.0000 MHz		36M0F8F	77.70 dBW	Analog TV
	5925.0000 - 6425.0000 MHz		200KF3E	62.20 dBW	audio
	5925.0000 - 6425.0000 MHz		38K4G7E	58.30 dBW	audio
	5925.0000 - 6425.0000 MHz		54K6G7W-	59.90 dBW	Digital Data
	5925.0000 - 6425.0000 MHz		6M84G7W	77.70 dBW	Digital Data
	5925.0000 - 6425.0000 MHz		81K9G7W-	61.60 dBW	Digital Data
	5925.0000 - 6425.0000 MHz		11M2G7W	77.70 dBW	Digital Data
	5925.0000 - 6425.0000 MHz		54K6G7W-	59.90 dBW	Digital Data
	5925.0000 - 6425.0000 MHz		35M9G7W	77.70 dBW	Digital Data
	5925.0000 - 6425.0000 MHz		618KD7W-	66.90 dBW	DIGITAL DATA
	5925.0000 - 6425.0000 MHz		20M3D7W	77.70 dBW	DIGITAL DATA
	3700.0000 - 4200.0000 MHz				Digital Data, Digital TV, SCPC audio
ANTENNA ID:	4.5M	4.5 meters	ANDREW		ESA45
	5925.0000 - 6425.0000 MHz		20M3D7W	71.50 dBW	DIGITAL DATA
	5925.0000 - 6425.0000 MHz		18M0F8F	71.50 dBW	ANALOG TV
	5925.0000 - 6425.0000 MHz		36M0F8F	71.50 dBW	ANALOG TV
	5925.0000 - 6425.0000 MHz		9M00G1F	71.50 dBW	DIGITAL TV
	5925.0000 - 6425.0000 MHz		24M0G1F	71.50 dBW	DIGITAL TV
	5925.0000 - 6425.0000 MHz		200KF3E	56.00 dBW	ANALOG AUDIO
	5925.0000 - 6425.0000 MHz		38K4G7W	52.60 dBW	DIGITAL DATA

5925.0000 - 6425.0000 MHz	54K6G7W	53.60 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	35M9G7W	71.50 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	618KD7W	52.90 dBW	DIGITAL DATA
3700.0000 - 4200.0000 MHz			

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - ANIK E1 - (118.7 W.L.)
- 1 - ANIK E2 - (111.1 W.L.)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT POR - (174.0 E.L.)
- 1 - INTELSAT POR - (176.0 E.L.)
- 1 - INTELSAT POR - (180.0 E.L.)
- 1 - New Skies 513 - (183 E.L.)
- 1 - PAS-4 - (191.0 W.L.)
- 1 - PAS-9 - (58.0 W.L.)
- 1 - SOLIDARIDAD F-1 - (109.2 W.L.)
- 1 - SOLIDARIDAD F-2 - (113.0 W.L.)
- 1 - TDRS-5 - (174.3 W.L.)

SES - RWL - 20080425 - 00494 E E880775 Bonneville Holding Company
 Renewal
 Grant of Authority

06/17/2008 - 06/17/2023
 Date Effective: 04/28/2008

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: VARIOUS

ANTENNA ID: 1	3.7 meters	ANDREW	ESA37-124A
14000.0000 - 14500.0000 MHz	36M0F3F	80.20 dBW	
14000.0000 - 14500.0000 MHz	26K0F3E	38.70 dBW	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20080428-00497 E E980197 PetroCom License Corporation
Renewal 05/29/2008 - 05/29/2023
Grant of Authority Date Effective: 04/29/2008

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: BLOCK 110, 135 MILES, E. OF PORT ARK. TX, GM
27 ° 51 ' 31.00 " N LAT. 94 ° 53 ' 1.00 " W LONG.

ANTENNA ID: 1 5 meters AFC PR 16.4-2-2D
5925.0000 - 6425.0000 MHz 1M54F1D 57.50 dBW
3700.0000 - 4200.0000 MHz

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20080331-00403 E E040125 Intelsat North America LLC
Special Temporary Authority
Grant of Authority Date Effective: 04/24/2008

Class of Station:

Special temporary authority is GRANTED for a period of 30 days beginning May 13, 2008 and ending June 11, 2008.

Points of Communication:

SES-STA-20080418-00476 E Universal Space Network, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 04/24/2008

Class of Station:

Special temporary authority is GRANTED with conditions for a period of 30 days beginning April 24, 2008 and ending May 23, 2008.

Points of Communication:

SES-STA-20080422-00482 E E990143 COMTECH MOBILE DATACOM CORP.
Special Temporary Authority
Grant of Authority Date Effective: 04/28/2008

Class of Station:

Extension of special temporary authority is GRANTED with conditions for an additional 60 days beginning April 28, 2008 and ending June 26, 2008.

Points of Communication:

SES-STA-20080423-00485 E KA249 Vizada, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 04/25/2008

Class of Station:

Extension of special temporary authority is GRANTED with conditions for an additional 60 days beginning April 24, 2008 and ending June 29, 2008.

Points of Communication:

CORRECTIONS

SES-ASG-20080313-00297 E2966 METROCAST COMMUNICATIONS OF MISSISSIPPI, LLC

"CORRECTION" this assignment application appeared on Action taken Public Notice Report No. SES-01017, dated March 19, 2008 with the incorrect consummation date of March 13, 2008, and the consummation completed date should have been February 29, 2008 per letter request of April 23, 2008.

Dismissal

SES-AMD-20080312-00287 E080060 NHK Japan Broadcasting Corporation

Application filed by NHK Japan Broadcasting Corporation is without prejudice dismissed as defective, see DA 08-946, released April 23, 2008.

SES-LIC-20080306-00245 E080060 NHK Japan Broadcasting Corporation

Application filed by NHK Japan Broadcasting Corporation is without prejudice dismissed as defective, see DA 08-946, released April 23, 2008.

SES-LIC-20080313-00303 E080064 NHK Japan Broadcasting Corporation

Application filed by NHK Japan Broadcasting Corporation is without prejudice dismissed as defective, see DA 08-946, released April 23, 2008.

SES-LIC-20080404-00421 E080075 ALABAMA EDUCATIONAL TELEVISION COMMISSION (LICENSEE OF WLRH-FM)

Alabama Educational Television Commission (Licensee of WLRH-FM) license application is dismissed without prejudice as defective, see DA 08-958, rel. April 24, 2008.

SES-MOD-20080407-00429 E880611 WPXI, INC.

WPXI, Inc. license modification application is dismissed without prejudice as defective, see DA 08-943, rel. April 23, 2008.

INFORMATIVE

SES-MOD-20031202-01757 E990088 BringCom Incorporated

Licensee has changed name, per letter dated April 22, 2008.

SES-STA-20080213-00157 E050284 VIZADA Services LLC

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20061006-01820. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization. This action is without prejudice to action on any pending request for current operations.

SES-STA-20080221-00179 E960622 Iridium Carrier Services LLC

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20040524-00716. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization. This action is without prejudice to action on any pending request for current operations.

SES-STA-20080221-00180 E960132 Iridium Satellite LLC

INFORMATIVE

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20040524-00717. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization. This action is without prejudice to action on any pending request for current operations.

SURRENDER

SES-REG-20010529-00993 E010148 Cebridge Acquisition, L.P.

Licensee has surrendered receive only earth station registration, per letter dated April 22, 2008.

SES-REG-20020920-01688 E020272 Rapid Communications LLC

Licensee has surrendered license, per letter dated April 9, 2008.

SES-RWL-20000914-01713 E900963 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20010823-01603 WL29 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20011031-02095 E3839 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20011031-02096 E3838 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20011031-02099 E3840 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20020214-00255 WQ28 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20020617-01020 WT30 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20020617-01023 WT31 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20070129-00157 E870266 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

SES-RWL-20070129-00158 E870271 Time Warner NY Cable LLC

Licensee has surrendered license, per letter dated April 14, 2008.

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