PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01572 **Wednesday July 31, 2013**

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-20130709-00582 E E130081 DIRECTV Enterprises, LLC
Amendment
Class of Station: Fixed Earth Stations

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

See IBFS File No. SES-LIC-20130423-00332 for a description of the application.

SITE ID: 1
LOCATION: 106 Grant Way, Yakima, Moxee, WA
46 ° 33 ' 55.10 " N LAT. 120 ° 23 ' 56.00 " W LONG.

ANTENNA ID: 1	3.5 meters	Andrew		ES35-101-208
24750.0000 - 25150.0000 MHz	36M0G7W	75.70 dBW		PSK MOD DIGITAL VIDEO / AUDIO
17300.0000 - 17700.0000 MHz	36M0G7W	0.00 dBW		PSK MOD DIGITAL VIDEO / AUDIO

Points of Communication:

1 - DIRECTV RB-1 (S2711) - (99.235 W.L)

1 - DIRECTV RB-2 (S2712) - (102.825)

1 - DIRECTV RB-2A(S2796) - (102.765)

SES-AMD-20130719-00650 E E130127 TELEVISA, SA de CV
Amendment
Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

See IBFS File No. SES-LIC-20130715-00587 for a description of the application.

SITE ID: 1
LOCATION: 1001 Russell Street, Baltimore, Multiple, MD

ANTENNA ID: 1	2.4 meters	Vertex	Vertex 2.4 M SM-LT
5925.0000 - 6425.0000 MHz	36M0G7W	65.00 dBW	SCPC Digital carrier transmitting video and audio service (NS3, DVB-S2)
5925.0000 - 6425.0000 MHz	4M00G7W	61.50 dBW	SCPC Digital carrier transmitting video and audio service (NS3, DVB-S2)
3700.0000 - 4200.0000 MHz	36M0G7W		SCPC Digital carrier transmitting video and audio service (NS3, DVB-S2)
3700.0000 - 4200.0000 MHz	4M00G7W		SCPC Digital carrier transmitting video and audio service (NS3, DVB-S2)

Points of Communication:

1 - ALSAT - (ALSAT)

SES-ASG-20130607-00476 E E050079 Pinzone Engineering Group Inc
Application for Consent to Assignment
Current Licensee: Pinzone Engineering Group Inc
FROM: PINZONE ENGINEERING GROUP INC.
TO: SATELLITE TECHNOLOGY SYSTEMS, INC..

No. of Station(s) listed: 1

SES-LIC-20130423-00332 E E130081 DIRECTV Enterprises, LLC
Application for Authority
Class of Station: Fixed Earth Stations

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

DIRECTV Enterprises, LLC seeks to operate a fixed earth station in Yakima, WA, listing DIRECTV RB-1 (S2711) at 99.235 W.L., DIRECTV RB-2 (S2712) at 102.825 W.L. and DIRECTV RB-2A (S2796) at the 102.765 W.L. orbital locations as points of communication in the 24.750-25.150 GHz (Earth-to-space) and 17.3-17.7 GHz (space-to-Earth) frequency bands. See amendment submitted under IBFS File No. SES-AMD-20130709-00582.

SITE ID: 1
LOCATION: 106 Grant Way, Yakima, Moxee, WA
46 ° 33 ' 55.10 " N LAT. 120 ° 23 ' 56.00 " W LONG.

ANTENNA ID: 1	3.5 meters	Andrew	ES35-101-208
17300.0000 - 17700.0000 MHz	36M0G7W	0.00 dBW	PSK MOD DIGITAL VIDEO / AUDIO
24750.0000 - 25150.0000 MHz	36M0G7W	75.70 dBW	PSK MOD DIGITAL VIDEO / AUDIO

Points of Communication:

1 - DIRECTV RB-1 (S2711) - (99.235 W.L)

1 - DIRECTV RB-2 (S2712) - (102.825)

1 - DIRECTV RB-2A(S2796) - (102.765)

SES-LIC-20130701-00559 E E130115 HEARST STATIONS INC.

Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

Processed and route to Jose Trevino to review for Accepted Public Notice.

SITE ID: 1

LOCATION: VARIOUS

ANTENNA ID: 1	1.35 meters	GENERAL DYNAMICS		C135M
14000.0000 - 14500.0000 MHz		36M0D7W	64.66 dBW	QAM or APSK; Digital Video, Digital Audio, and Data
14000.0000 - 14500.0000 MHz		3M50D7W	59.71 dBW	QAM or APSK; Digital Video, Digital Audio, and Data
11700.0000 - 12200.0000 MHz		3M50D7W		QAM or APSK; Digital Video, Digital Audio, and Data
11700.0000 - 12200.0000 MHz		36M0D7W		QAM or APSK; Digital Video, Digital Audio, and Data

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20130715-00587 E E130127 TELEVISA, SA de CV

Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

TELEVISA, SA de CV seeks to operate a temporary-fixed earth station listing ALSAT as a point of communication in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands. See amendment submitted under IBFS File No. SES-AMD-20130719-00650.

SITE ID: 1

LOCATION: 1001 Russell Street, Baltimore, Multiple, MD

ANTENNA ID: 1	2.4 meters	Vertex		Vertex 2.4 M SM-LT
5925.0000 - 6425.0000 MHz		4M00G7W	61.50 dBW	SCPC Digital carrier transmitting video and audio service (NS3, DVB-S2)
5925.0000 - 6425.0000 MHz		36M0G7W	65.00 dBW	SCPC Digital carrier transmitting video and audio service (NS3, DVB-S2)

3700.0000 - 4200.0000 MHz	4M00G7W	SCPC Digital carrier transmitting video and audio service (NS3, DVB-S2)
3700.0000 - 4200.0000 MHz	36M0G7W	SCPC Digital carrier transmitting video and audio service (NS3, DVB-S2)

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20130719-00643 E E130131 Sistema Universitario Ana G Mendez

Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: Puerto Rcio, PR

ANTENNA ID: 1 2.4 meters General Dynamics 1251

3700.0000 - 4200.0000 MHz	18MOG7W	0.00 dBW	Phase modulated carrier with digital data, video and audio
5925.0000 - 6425.0000 MHz	18MOG7W	68.48 dBW	Phase modulated carrier with digital data, video and audio

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MFS-20130504-00363 E KA313 Astrium Services Government, Inc.

Modification

Class of Station: Earth Stations on-board Vessels/VSAT

Nature of Service: Earth Stations on-board Vessels, Fixed Satellite Service

Astrium Services Government, Inc. requests modification of its ESV/VSAT network authorization to add 500 Sea Tel Model 9707/9797/9711 2.4-meter C-band antennas, 500 Intellian Model v240 2.4-meter C-band antennas, 500 Sea Tel Model 9711QOR Combination 2.4-meter C-band/ 1.2-meter Ku-band antennas, 500 Intellian Model v100 1.06-meter Ku-band antennas, 500 Intellian Model v130 1.25-meter Ku-band antennas, 500 Mitsubishi Model MVA60 0.60-meter Ku-band antennas, and 500 Mitsubishi Model MVA120 1.2-meter Ku-band antennas.

SITE ID: (C-) Hub 14.2M

LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (C)14.2M 14.2 meters TIW (C-band) 14.2M

6454.4000 - 6456.6000 MHz	1K20G1D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	600HG1D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	600HG2D	44.50 dBW	DIGITAL CARRIER

6454.4000 - 6456.6000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G1D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG1D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	100KG1X	60.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1W	59.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1X	61.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	17K5G1D	61.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	20K0G1E	56.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50F1D	58.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA

6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
6425.0000 - 6443.0000 MHz	NON	70.00 dBW	Communications Systems Monitoring & test Signals
6425.0000 - 6443.0000 MHz	600KFXN	70.00 dBW	Communications Systems Monitoring & test Signals
6417.5000 - 6443.0000 MHz	4K00G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	4K00G3E	70.00 dBW	
6417.5000 - 6443.0000 MHz	6K00G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	7K50G3E	70.00 dBW	
6417.5000 - 6443.0000 MHz	12K0G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	12K0G3E	70.00 dBW	
6416.0000 - 6418.0000 MHz	900KF2D	75.00 dBW	TT&C
6170.0000 - 6180.0000 MHz	900KF2D	90.00 dBW	TT&C
5925.0000 - 6425.0000 MHz	36M0F8F	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	84.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.80 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	61.70 dBW	DIGITAL VOICE, AND DATA
4192.5000 - 4200.0000 MHz	3K00G1D		
4192.5000 - 4200.0000 MHz	4K00G1D		
4192.5000 - 4200.0000 MHz	4K00G3E		
4192.5000 - 4200.0000 MHz	7K50G3E		
4192.5000 - 4200.0000 MHz	12K0G1D		
4192.5000 - 4200.0000 MHz	12K0G3E		
4188.0000 - 4189.0000 MHz	1K00G1D		TT&C

3945.0000 - 3955.0000 MHz	1K00G1D	TT&C
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
3600.0000 - 3629.0000 MHz	2M20G1D	DIGITAL CARRIER
3600.0000 - 3629.0000 MHz	100KG1X	DIGITAL DATA
3600.0000 - 3629.0000 MHz	10K0G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	17K5G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1X	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50F1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	45K0G7D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	60K0D1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1W	DIGITAL DATA
3600.0000 - 3623.0000 MHz	NON	Communications Systems Monitoring & test Signals
3600.0000 - 3623.0000 MHz	300KFXN	Communications Systems Monitoring & test Signals

3600.0000 - 3623.0000 MHz	3K00G1D	
3600.0000 - 3623.0000 MHz	4K00G1D	
3600.0000 - 3623.0000 MHz	4K00G3E	
3600.0000 - 3623.0000 MHz	7K50G3E	
3600.0000 - 3623.0000 MHz	12K0G1D	
3600.0000 - 3623.0000 MHz	12K0G3E	

SITE ID: REMOTE 2
LOCATION: 1,000 (1.8M ANTENNAS) CONUS

ANTENNA ID: 1.8M 1.8 meters ANDREW 183

14000.0000 - 14500.0000 MHz	169KG7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: ESV/6006
LOCATION: 400 (1.5 meters), CONUS

ANTENNA ID: 6006 1.5 meters SEATEL 6006

14000.0000 - 14500.0000 MHz	44K8G1W	40.00 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	43.00 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	151KG7W	45.30 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	194KG7W	46.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	291KG7W	48.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	445KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS

14000.0000 - 14500.0000 MHz	452KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	81K0G7W	42.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	97K0G7W	43.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	1M43G1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M35G1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
11450.0000 - 12200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
10950.0000 - 11200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS

SITE ID: (L) Hub 14.2M

LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (L)14.2M 14.2 meters TIW (L-band) DUAL

1626.5000 - 1660.5000 MHz	24K0F3E	36.00 dBW	ANALOG CARRIER
1626.5000 - 1660.5000 MHz	NON	31.00 dBW	PILOT

1626.5000 - 1660.5000 MHz	2K40G2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	1K20G1D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	600HG1D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	600HG2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	1K20G2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	10K5G2F	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1649.5000 MHz	300KFXN	70.00 dBW	Communications Systems Monitoring & test Signals
1574.4000 - 1576.6000 MHz	2K40G2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	1K20G1D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	600HG1D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	600HG2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	1K20G2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	10K5G2F		DIGITAL CARRIER
1530.0000 - 1548.0000 MHz	600KFXN		Communications Systems Monitoring & test Signals
1530.0000 - 1548.0000 MHz	NON		Communications Systems Monitoring & test Signals
1525.0000 - 1559.0000 MHz	2K40G2D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	1K20G1D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	600HG1D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	600HG2D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	1K20G2D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	10K5G2F		DIGITAL CARRIER

SITE ID: (Ku) Hub 14.2M

LOCATION: 2120 River Road, New Haven, Southbury, CT

41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID:	(Ku)14.2M	14.2 meters	TIW	14.2M

SITE ID: Hub 1.2M(Ku)
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Hub)1.2M 1.2 meters PRODELIN 1123

14000.0000 - 14500.0000 MHz	36M0G7W	63.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	169KG7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	55.30 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: ESV/4006
LOCATION: Operate up to 550 remotes (1.0M), CONUS

ANTENNA ID: 4006 1 meters SEATEL 4006

14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	46.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	47.40 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	47.40 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	316KG7W	42.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION

SITE ID: ESV/4996T

LOCATION: Operate up to 550 remotes (1.2M), CONUS

ANTENNA ID: 4996T 1.2 meters SEATEL 4996T

14000.0000 - 14500.0000 MHz	1M43G1W	51.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.10 dBW	SCPC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	717KG1W	48.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.10 dBW	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION

SITE ID: Hub (8.1M)
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: Vertex 8.1 8.1 meters VERTEX KPK

14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	100KG7W	60.07 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	20M0G7W	83.08 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	73.67 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	32K0G7W	55.13 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	77.23 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	42M0G7W	86.31 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	43K8G7W	56.49 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	45K0G7W	56.61 dBW	QPSK, DIGITAL DATA

14000.0000 - 14500.0000 MHz	76K8G7W	58.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	100KG7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	42M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	72M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	9K00G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

11700.0000 - 12200.0000 MHz	400KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	800KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

SITE ID: Remote 1.2m AVL
LOCATION: 1000 (1.2M ANTENNAS), CONUS

ANTENNA ID: AVL 1.2M 1.2 meters AVL 1.2M Ku-band

14000.0000 - 14500.0000 MHz	1M55G7W	55.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M10G7W	58.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	52.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION

SITE ID: ESV/V110
LOCATION: 500 (1.05M ANTENNAS) CONUS

ANTENNA ID: V1110	1.05 meters	INTELLIAN	V110
14000.0000 - 14500.0000 MHz	194KG7W	42.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M16G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M36G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M55G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	44.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	45.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	485KG7W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	582KG7W	47.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	37.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	679KG7W	47.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	970KG7W	49.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	39.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: REMOTE 1
LOCATION: 1,000 (1.2M ANTENNAS) CONUS

ANTENNA ID:	1.2M	1.2 meters	ANDREW	123/124

SITE ID: REMOTE 3 (2.4M)
LOCATION: 500 (2.4M ANTENNAS) CONUS

ANTENNA ID:	2.4M	2.4 meters	ANDREW	243

14000.0000 - 14500.0000 MHz	169KG7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .75 M
LOCATION: 100 (.75 M antennas) CONUS

ANTENNA ID:	.75M	0.75 meters	VISIOSAT	VISIOSAT 75

14000.0000 - 14500.0000 MHz	1M52G7W	49.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA

14000.0000 - 14500.0000 MHz	342KG7W	43.00 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .90 M
LOCATION: 250 (.90 M antennas) CONUS

ANTENNA ID: .90M 0.9 meters VISIOSAT VISIOSAT 90

14000.0000 - 14500.0000 MHz	1M52G7W	50.60 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	44.10 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .96 M
LOCATION: 500 (.96 M antennas) CONUS

ANTENNA ID: .96M 0.96 meters ANDREW TYPE 960

14000.0000 - 14500.0000 MHz	1M52G7W	51.70 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	45.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: HUB 6.1 M
LOCATION: 2120 River Road, New Haven, Southbury, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Hub)6.1M 6.1 meters VERTEX KPK

14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	100KG7W	57.07 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	20M0G7W	80.08 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	70.67 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	32K0G7W	52.13 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	76.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	43K8G7W	53.49 dBW	QPSK, DIGITAL DATA

14000.0000 - 14500.0000 MHz	45K0G7W	53.61 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	76K8G7W	55.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	46.62 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	71.70 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	1M60G1F	69.12 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	60.08 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	63.10 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	66.11 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	100KG7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	9K00G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	400KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	800KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

SITE ID: ESV/4003A
LOCATION: Operate up to 550 remotes (1.0M), CONUS

ANTENNA ID: 4003A	1 meters	SEATEL	4003A
14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	538KG1W	45.20 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	45.80 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	45.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	42.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION

SITE ID: (Ku) ESVREMOTE .75M
LOCATION: Operate up to 500 remotes (.75M) US Internation water

ANTENNA ID: STLUSAT30 0.75 meters SEA TEL USAT-30

14000.0000 - 14500.0000 MHz	768KG7W	40.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	768KG1W	40.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	512KG7W	38.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	512KG1W	38.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	4M10G7W	47.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	4M10G1W	47.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M58G7W	46.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M58G1W	46.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	3M07G7W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	3M07G1W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M56G7W	45.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M56G1W	45.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M05G7W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M05G1W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	256KG7W	35.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	256KG1W	35.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M79G7W	43.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M79G1W	43.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M54G7W	43.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M54G1W	43.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M28G7W	42.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M28G1W	42.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M02G7W	41.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M02G1W	41.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	128KG7W	32.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	128KG1W	32.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M00G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M00G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	45M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M00G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M00G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: (Ku) ESV TTSAIL900
LOCATION: Operate up to 500 remotes (1.0M) US Internation water

ANTENNA ID: T&TSAIL900 1 meters THRANE & THRANE TT-7090A

14000.0000 - 14500.0000 MHz	97K0G7W	39.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	81K0G7W	39.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	46.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	45.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M35G1W	53.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	44.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	1M43G1W	51.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	42.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	151KG7W	41.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	81K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	81K0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M35G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: (C-ba) ESV9707/97/11

LOCATION: Operate up to 500 remotes (2.4M) US Internation water

ANTENNA ID:	C-ba 2.4M	2.4 meters	SEA TEL	9707/9797/9711

5925.0000 - 6425.0000 MHz	44K8G7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G7W	60.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G1W	60.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: ESV/INTV240

LOCATION: Operate up to 500 remotes (2.4M) US Internation water

ANTENNA ID: INT V240 2.4 meters INTELLIAN V240

5925.0000 - 6425.0000 MHz	44K8G7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G7W	60.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G1W	60.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: ESV/9711QOR-C

LOCATION: Operate up to 500 remotes (2.4M C-BAND) US Internation water

ANTENNA ID: 9711QOR-C 2.4 meters SEA TEL 9711QOR-C

5925.0000 - 6425.0000 MHz	44K8G7W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	49.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G7W	60.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
5925.0000 - 6425.0000 MHz	15M0G1W	60.95 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: ESV/9711QOR-KU

LOCATION: Operate up to 500 remotes (1.2M KU-BAND) US Internation water

ANTENNA ID: 9711QORKU 1.2 meters SEA TEL 9711QOR-KU

14000.0000 - 14500.0000 MHz	8M00G7W	56.26 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	8M00G1W	56.26 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G7W	39.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	39.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: ESV/INTV100KU
LOCATION: Operate up to 500 remotes (1.06M KU-BAND) US Internation water

ANTENNA ID: INTV100KU 1.06 meters INTELLIAN V100

14000.0000 - 14500.0000 MHz	5M00G7W	52.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	5M00G1W	52.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G7W	37.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	37.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: ESV/INTV130KU
LOCATION: Operate up to 500 remotes (1.25M KU-BAND) US Internation water

ANTENNA ID: INTV130KU 1.25 meters INTELLIAN V130

14000.0000 - 14500.0000 MHz	8M00G7W	54.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	8M00G1W	54.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G7W	39.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	39.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: ESV/MIT/MVA60KU
LOCATION: Operate up to 500 remotes (0.6M KU-BAND) US Internation water

ANTENNA ID: MITMVA60K 0.6 meters MITSUBISHI MVA60

14000.0000 - 14500.0000 MHz	44K8G7W	34.93 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	34.93 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M10G7W	46.34 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M10G1W	46.34 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

11450.0000 - 12200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: ESV/MIT/MVA120KU

LOCATION: Operate up to 500 remotes (1.2M KU-BAND) US Internation water

ANTENNA ID: MITMVA12K 1.2 meters MITSUBISHI MVA120

14000.0000 - 14500.0000 MHz	8M00G7W	55.72 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	8M00G1W	55.72 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G7W	44.22 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	44.22 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	54M0G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

Points of Communication:

(C-) Hub 14.2M - ALSAT - (ALSAT)

(C-) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(C-) Hub 14.2M - INMARSAT 4F3 - (97.65 W.L.)

(C-) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(C-) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(C-) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(C-) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

(C-ba) ESV9707/97/11 - NSS 9 - (177 W.L.)

(C-ba) ESV9707/97/11 - SES-4 (S2828) - (22.0 W.L.)

(Ku) ESV TTSAIL900 - ALSAT - (ALSAT)

(Ku) ESVREMOTE .75M - ALSAT - (ALSAT)

(Ku) Hub 14.2M - ALSAT - (ALSAT)

(Ku) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(Ku) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(Ku) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(Ku) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(Ku) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

(L) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)

(L) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)

(L) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)

(L) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)

(L) Hub 14.2M - ISAT List -

(L) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)

ESV/4003A - ALSAT - (ALSAT)

ESV/4003A - GALAXY 10R - (123 W.L.)

ESV/4003A - INTELSAT 705 - (50 W.L.)

ESV/4006 - ALSAT - (ALSAT)

ESV/4006 - GALAXY 10R - (123 W.L.)

ESV/4006 - INTELSAT 705 - (50 W.L.)

ESV/4996T - ALSAT - (ALSAT)

ESV/4996T - GALAXY 10R - (123 W.L.)

ESV/4996T - INTELSAT 705 - (50 W.L.)

ESV/6006 - ALSAT - (ALSAT)

ESV/6006 - GALAXY 10R - (123 W.L.)

ESV/6006 - INTELSAT 705 - (50 W.L.)

ESV/9711QOR-C - NSS 9 - (177 W.L.)

ESV/9711QOR-C - SES-4 (S2828) - (22.0 W.L.)

ESV/9711QOR-KU - ALSAT - (ALSAT)

ESV/9711QOR-KU - NSS 9 - (177 W.L.)

ESV/9711QOR-KU - SES-4 (S2828) - (22.0 W.L.)

ESV/INTV100KU - ALSAT - (ALSAT)

ESV/INTV100KU - NSS 9 - (177 W.L.)

ESV/INTV100KU - SES-4 (S2828) - (22.0 W.L.)

ESV/INTV130KU - ALSAT - (ALSAT)

ESV/INTV130KU - NSS 9 - (177 W.L.)

ESV/INTV130KU - SES-4 (S2828) - (22.0 W.L.)

ESV/INTV240 - NSS 9 - (177 W.L.)

ESV/INTV240 - SES-4 (S2828) - (22.0 W.L.)

ESV/MIT/MVA120KU - ALSAT - (ALSAT)

ESV/MIT/MVA120KU - NSS 9 - (177 W.L.)

ESV/MIT/MVA120KU - SES-4 (S2828) - (22.0 W.L.)

ESV/MIT/MVA60KU - ALSAT - (ALSAT)

ESV/MIT/MVA60KU - NSS 9 - (177 W.L.)

ESV/MIT/MVA60KU - SES-4 (S2828) - (22.0 W.L.)

ESV/V110 - ALSAT - (ALSAT)

Hub (8.1M) - ALSAT - (ALSAT)

Hub (8.1M) - INMARSAT 3F4 - (54 W.L.)

Hub (8.1M) - INMARSAT Ltd-3 - (15.5 W.L.)

Hub (8.1M) - INMARSAT-2 AOR-EAST - (17 W.L.)

Hub (8.1M) - INMARSAT-2 AOR-WEST - (98 W.L.)

Hub (8.1M) - MARISAT-F2 - (33.9 W.L.)

HUB 6.1 M - ALSAT - (ALSAT)

REMOTE .75 M - NSS-7 (S2463) - (20 W.L.)

REMOTE .90 M - NSS-7 (S2463) - (20 W.L.)

REMOTE .96 M - NSS-7 (S2463) - (20 W.L.)

REMOTE 1 - ALSAT - (ALSAT)

Remote 1.2m AVL - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 3 (2.4M) - ALSAT - (ALSAT)

SES-MFS-20130604-00470 E E000696 SES Americom, Inc.

Modification

Class of Station: Fixed Earth Stations

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

SES Americom, Inc. requests modification of its fixed earth station in Bristow, VA, to (1) add two new antennas - ANT-ID NWM-16 (11-meter GD Satcom) and ANT-ID NWM-17 (9-meter GD Satcom), and (2) add two new points of communication in the 3625-4200, 4500-4800 MHz (space-to-Earth), and 5850-6425, 5925-6425, and 6725-6874 (Earth-to-space) frequency bands: SES-6 at the 40.5° W.L. orbital location and NSS-806 at the 47.5° W.L. orbital location.

SITE ID: BRISTOW

LOCATION: 8031 Piney Branch RD, Prince William, Bristow, VA

38 ° 47 ' 3.20 " N LAT. 77 ° 34 ' 21.70 " W LONG.

ANTENNA ID: NSS-EC-1 16.4 meters VERTEX 16.4 THC

6600.0000 - 6639.0000 MHz	15K2G7W-	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.

6600.0000 - 6639.0000 MHz	72M0G7W	85.40 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
6600.0000 - 6639.0000 MHz	36M0F3F	85.40 dBW	Standard Video
6425.5000 - 6560.0000 MHz	15K2G7W-	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
6425.5000 - 6560.0000 MHz	72M0G7W	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
6425.5000 - 6560.0000 MHz	36M0F3F	85.40 dBW	Standard Video
6175.5500 - 6177.0500 MHz	900KF1D	79.73 dBW	FM, TeleCommand Frequency 2
6172.9500 - 6174.4500 MHz	900KF1D	79.73 dBW	FM, TeleCommand Frequency 1
5925.0000 - 6425.0000 MHz	15K2G7W-	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
5925.0000 - 6425.0000 MHz	72M0G7W	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
5925.0000 - 6425.0000 MHz	36M0F3F	85.40 dBW	Standard Video
5850.0000 - 5925.0000 MHz	15K2G7W-	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
5850.0000 - 5925.0000 MHz	72M0G7W	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
5850.0000 - 5925.0000 MHz	36M0F3F	85.40 dBW	Standard Video
4199.5000 - 4199.5000 MHz	NON		CW, Tracking Beacon
3952.2500 - 3952.7500 MHz	500KG7W		PM, Telemetry Beacon2
3951.7500 - 3952.2500 MHz	500KG7D		PM, Telemetry Beacon 2A

3950.0000 - 3950.0000 MHz	NON	CW, Tracking Beacon
3947.7500 - 3948.2500 MHz	500KG7D	PM, Telemetry Beacon 1A
3947.2500 - 3947.7500 MHz	500KG7D	PM, Telemetry Beacon 1
3947.2500 - 3947.7500 MHz	500KG7D	PM, Telemetry Beacon
3700.0000 - 4200.0000 MHz	15K2G7W-	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
3700.0000 - 4200.0000 MHz	72M0G7W	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
3700.0000 - 4200.0000 MHz	36M0F3F	Standard Video
3625.0000 - 3700.0000 MHz	15K2G7W-	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
3625.0000 - 3700.0000 MHz	72M0G7W	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
3625.0000 - 3700.0000 MHz	36M0F3F	Standard Video
3625.0000 - 3700.0000 MHz	45K0G1W	Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	6M87G7W	Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	25M0G7W	Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	41M9G7W	Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	72M0G7W	Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	36M0F8W	Voice, video, and data, FM
3625.0000 - 3700.0000 MHz	30M0F8W	Voice, video, and data, FM
3625.0000 - 3700.0000 MHz	20M0G7W	Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8

3600.0000 - 3625.0000 MHz	36M0F3F		Standard video
3600.0000 - 3625.0000 MHz	15K2G7W		BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps-90Mbps, combination of digital services-data, compressed digital video, internet, etc.
3600.0000 - 3625.0000 MHz	72M0G7W		BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps-90Mbps, combination of digital services-data, compressed digital video, internet, etc.
3600.0000 - 3625.0000 MHz	45K0G1W		Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	6M87G7D		Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	25M0G7W		Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	41M9G7W		Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	72M0G7W		Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	36M0F8W		Voice, video and data, FM
3600.0000 - 3625.0000 MHz	30M0F8W		Voice, video and data, FM
3600.0000 - 3625.0000 MHz	20M0G7W		Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
ANTENNA ID: NWM-16	11 meters	GD SATCOM	11.1 KPC
5850.0000 - 5925.0000 MHz	1M00F8D	80.10 dBW	TT&C
5925.0000 - 6425.0000 MHz	1M00F8D	79.10 dBW	TT&C
6725.0000 - 6874.0000 MHz	1M00F8D	76.90 dBW	TT&C
5850.0000 - 5925.0000 MHz	100KN0N	70.10 dBW	CW TESTING AND BEACONS
5850.0000 - 5925.0000 MHz	72M0G7W	82.50 dBW	VIDEO AND DATA
5850.0000 - 6425.0000 MHz	15K2G7W	58.70 dBW	VIDEO AND DATA
5925.0000 - 6425.0000 MHz	100KN0N	69.10 dBW	CW TESTING AND BEACONS
6725.0000 - 6874.0000 MHz	100KN0N	66.90 dBW	CW TESTING AND BEACONS
6725.0000 - 6874.0000 MHz	15K2G7W	58.70 dBW	VIDEO AND DATA

6725.0000 - 6874.0000 MHz	72M0G7W	82.50 dBW	VIDEO AND DATA
3625.0000 - 4200.0000 MHz	1M00F8D		TT&C
4500.0000 - 4800.0000 MHz	1M00F8D		TT&C
3625.0000 - 4200.0000 MHz	100KN0N		CW TESTING BEACONS
3625.0000 - 4200.0000 MHz	15K2G7W		VIDEO AND DATA
3625.0000 - 4200.0000 MHz	72M0G7W		VIDEO AND DATA
4500.0000 - 4800.0000 MHz	100KN0N		CW TESTING BEACONS
4500.0000 - 4800.0000 MHz	72M0G7W		VIDEO AND DATA
4500.0000 - 4800.0000 MHz	15K2G7W		VIDEO AND DATA

ANTENNA ID: NWM-17 9 meters GD SATCOM 9.0KPC

5850.0000 - 5925.0000 MHz	1M00F8D	78.00 dBW	TT&C
5925.0000 - 6425.0000 MHz	1M00F8D	77.00 dBW	TT&C
6725.0000 - 6874.0000 MHz	1M00F8D	74.80 dBW	TT&C
5825.0000 - 6425.0000 MHz	100KN0N	64.90 dBW	VIDEO AND DATA
5850.0000 - 5925.0000 MHz	100KN0N	68.00 dBW	CW TESTING AND BEACONS
5850.0000 - 5925.0000 MHz	36M0G7W	80.40 dBW	VIDEO AND DATA
5925.0000 - 6425.0000 MHz	100KN0N	67.00 dBW	CW TESTING AND BEACONS
5925.0000 - 6425.0000 MHz	54M0G7W	80.20 dBW	VIDEO AND DATA
6725.0000 - 6874.0000 MHz	100KN0N	64.80 dBW	CW TESTING BEACONS
6725.0000 - 6874.0000 MHz	102KG7W	64.90 dBW	VIDEO AND DATA
3625.0000 - 4200.0000 MHz	1M00F8D		TT&C
4500.0000 - 4800.0000 MHz	1M00F8D		TT&C
3625.0000 - 4200.0000 MHz	100KN0N		CW TESTING AND BEACONS
3625.0000 - 4200.0000 MHz	36M0G7W		VIDEO AND DATA
4500.0000 - 4800.0000 MHz	54M0G7W		VIDEO AND DATA
3625.0000 - 4200.0000 MHz	102KG7W		VIDEO AND DATA

3700.0000 - 4200.0000 MHz	54M0G7W	VIDEO AND DATA
4500.0000 - 4800.0000 MHz	100KN0N	CW TESTING AND BEACONS
4500.0000 - 4800.0000 MHz	102KG7W	VIDEO AND DATA

Points of Communication:

BRISTOW - ALSAT - (ALSAT)

BRISTOW - INTELSAT 805 (S2404) - (304.5 E.L.)

BRISTOW - INTELSAT AOR - (310.0 E.L.)

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

BRISTOW - INTELSAT AOR - (328.5 E.L.)

BRISTOW - INTELSAT AOR - (330.5 E.L.)

BRISTOW - INTELSAT AOR - (332.5 E.L.)

BRISTOW - INTELSAT AOR - (335.5 E.L.)

BRISTOW - INTELSAT AOR - (340.0 E.L.)

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

BRISTOW - INTELSAT AOR(S2398) - (307.0 E.L.)

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

BRISTOW - NSS-7 (S2463) - (20 W.L.)

BRISTOW - SES-4 (S2828) - (22.0 W.L.)

BRISTOW - SES-6 (S2870) - (40.5 W.L.)

SES-MOD-20130405-00310 E E020176 GCI Communication Corp.

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

GCI Communications Corp. requests modification of its fixed earth station in Unalakleet, AK, in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency band to add a 3.8-meter antenna.

SITE ID: Unalakleet

LOCATION: UNALAKLEET, USA, UNALAKLEET, AK

63 ° 52 ' 37.20 " N LAT. 160 ° 47 ' 20.20 " W LONG.

ANTENNA ID: 1 6.1 meters ViaSat 8060

5925.0000 - 6425.0000 MHz	36M0G7D	72.80 dBW	Phase modulated voices, video, and data services

5925.0000 - 6425.0000 MHz	6K72G7D-	72.80 dBW	Phase modulated voices, video, and data services
5925.0000 - 6425.0000 MHz	36M0D7D	72.80 dBW	Phase and amplitude modulated voice, video, and data services
5925.0000 - 6425.0000 MHz	6K72D7D-	72.80 dBW	Phase and amplitude modulated voice, video, and data services
3700.0000 - 4200.0000 MHz	36M0D7D		Phase and amplitude modulated voice, video, and data services
3700.0000 - 4200.0000 MHz	36M0G7D		Phase modulated voices, video, and data services
3700.0000 - 4200.0000 MHz	6K72D7D-		Phase and amplitude modulated voice, video, and data services
3700.0000 - 4200.0000 MHz	6K72G7D-		Phase modulated voices, video, and data services

ANTENNA ID: 2 3.8 meters PATRIOT INTTX-380AZ

5925.0000 - 6425.0000 MHz	36M0F8W	69.70 dBW	QAM DATA, TELEPHONY, FACSIMILE AND VIDEO
5925.0000 - 6425.0000 MHz	36M0D7W	69.70 dBW	FREQUENCY MODULATED DIGITIZED VOICE FOR TELEPHONY SERVICES
5925.0000 - 6425.0000 MHz	36M0G7D	86.00 dBW	QPSK, 16QAM, 8PSK, 16PSK, 32APSK - DATA AND TELEPHONY SERVICES
5925.0000 - 6425.0000 MHz	6K72G7D-	86.00 dBW	QPSK, 16QAM, 8PSK, 16PSK, 32APSK - DATA AND TELEPHONY SERVICES
3700.0000 - 4200.0000 MHz	36M0F8W		QAM DATA, TELEPHONY, FACSIMILE AND VIDEO
3700.0000 - 4200.0000 MHz	36M0D7W		FREQUENCY MODULATED DIGITIZED VOICE FOR TELEPHONY SERVICES
3700.0000 - 4200.0000 MHz	36M0G7D		QPSK, 8PSK, 16PSK, 32APSK - DATA AND TELEPHONY SERVICES
3700.0000 - 4200.0000 MHz	6K72G7D-		QPSK, 8PSK, 16PSK, 32APSK - DATA AND TELEPHONY SERVICES

Points of Communication:

Unalakleet - ALSAT - (ALSAT)

Unalakleet - ANIK E1 - (118.7 W.L.)

SES-MOD-20130613-00495 E E070227 Globecomm Systems, Inc.
Application for Modification
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Globecomm Systems, Inc. requests modification of its fixed earth station in Hauppauge, NY, to add a 4.8-meter antenna in the 13.75-14.00 GHz (Earth-to-space) frequency band and to add the Hispasat 1C space station at the 30.0° W.L. orbital location as a point of communication.

SITE ID: 1
LOCATION: 45 OSER AVENUE, SUFFOLK, HAUPPAUGE, NY
40 ° 48 ' 54.20 " N LAT. 73 ° 14 ' 12.20 " W LONG.

ANTENNA ID: AOT-20	3.8 meters	PRODELIN CORP.		1388
14000.0000 - 14500.0000 MHz		3M40G7W	67.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz		461KG7W	59.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz		44K0G7W	48.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz		3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz		461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz		44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID: AOT-26	4.5 meters	ASC SIGNAL CORP.		ES45MPJ
14000.0000 - 14500.0000 MHz		461KG7W	60.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz		44K0G7W	50.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz		3M40G7W	68.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz		30M5G7W	78.40 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz		461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz		44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz		3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz		30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA
ANTENNA ID: AOT-25	4.8 meters	VERTEX/RSI		4.8M
14000.0000 - 14500.0000 MHz		461KG7W	61.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz		44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz		3M40G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA

14000.0000 - 14500.0000 MHz	30M5G7W	79.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA

ANTENNA ID: AOT-22 4.8 meters VERTEX/RSI 4.8M

14000.0000 - 14500.0000 MHz	27M5G7W	79.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	30M5G7W	79.70 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	3M40G7W	70.20 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	461KG7W	61.50 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 14000.0000 MHz	30M5G7W	76.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	30M5G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	3M40G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	461KG7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA

ANTENNA ID: AOT-24 4.8 meters GD SATCOM 4.8M

13750.0000 - 14000.0000 MHz	30M5G7W	76.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	80.00 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	44K0G7W	51.60 dBW	DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	44K0G7W		DIGITAL VIDEO, AUDIO, AND DATA
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO, AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

1 - HISPASAT 1C - (30.0 W.L.)

SES-MOD-20130718-00644 E E900081 XRS Corporation

Application for Modification

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

XRS Corporation requests modification of its mobile earth station authorization to extend the license term for an additional two years. The current authorization to operate half-duplex METs in the 1646.5-1660.5 MHz (Earth-to-space) and 1545-1559 MHz (space-to-Earth) frequency bands expires on September 30, 2013.

SITE ID: 1

LOCATION: 19,000 half-duplex METs in CONUS, AK, HI PR, USVI & coastal areas up to 200 miles, offshore

ANTENNA ID: 1(Upper-L) 0.15 meters VISTAR Telecommunications, Inc. 1000000

1646.5000 - 1660.5000 MHz	2K40G1D	6.00 dBW	Multimode Mobile Messaging Service
1545.0000 - 1559.0000 MHz	2K40G1D		Multimode Mobile Messaging Service

Points of Communication:

1 - MSAT-1 - (106.5 W.L.)

1 - MSAT-2 (AMSC-1) - (103.3 W.L.)

1 - SKYTERRA 1 - (101.3 W.L.)

SES-REG-20130718-00641 E E130129 WEIGEL BROADCASTING CO

Registration

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 53550 GENERATIONS DRIVE (GILMER PARK), ST. JOSEPH, SOUTH BEND, IN
41 ° 36 ' 49.10 " N LAT. 86 ° 11 ' 10.80 " W LONG.

ANTENNA ID: 1 3.1 meters PATRIOT ANT. SYSTEMS 3.1 M.

3700.0000 - 4200.0000 MHz	4M00G7W	DIGITAL VIDEO AUDIO AND DATA
3700.0000 - 4200.0000 MHz	36M0G7W	DIGITAL VIDEO AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20130718-00642 E E130130 WEIGEL BROADCASTING CO
Registration
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 53550 GENERATIONS DRIVE, ST. JOSEPH, SOUTH BEND, IN
41 ° 42 ' 55.20 " N LAT. 86 ° 12 ' 17.70 " W LONG.

ANTENNA ID: 1 4.5 meters DH SATELLITE 4.5 M.

3700.0000 - 4200.0000 MHz 4M00G7W DIGITAL VIDEO AUDIO AND DATA

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20130718-00646 E E130132 WEIGEL BROADCASTING CO
Registration
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 26 NORTH HALSTEAD ST, COOK, CHICAGO, IL
41 ° 52 ' 58.00 " N LAT. 87 ° 38 ' 51.90 " W LONG.

ANTENNA ID: 1 4.5 meters PATRIOT ANT. SYSTEMS 4.5 M.

3700.0000 - 4200.0000 MHz 4M00G7W DIGITAL VIDEO AUDIO AND DATA

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20130718-00647 E E130133 WDJT-TV LIMITED PARTNERSHIP
Registration
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 5201 N MILWAUKEE RIVER PKWY, MILWAUKEE, MILWAUKEE, WI
43 ° 6 ' 40.60 " N LAT. 87 ° 55 ' 49.50 " W LONG.

ANTENNA ID: 1 5 meters COMTECH ANTENNA SYSTEMS 5 M.

3700.0000 - 4200.0000 MHz 4M00G7W DIGITAL VIDEO AUDIO AND DATA

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20130718-00648 E E130134 WDJT-TV LIMITED PARTNERSHIP
Registration
Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 809 S 60TH STREET, MILWAUKEE, MILWAUKEE, WI
43 ° 1 ' 24.70 " N LAT. 87 ° 59 ' 20.30 " W LONG.

ANTENNA ID: 1 4.5 meters PATRIOT ANT. SYSTEMS 4.5 M.

3700.0000 - 4200.0000 MHz 4M00G7W DIGITAL VIDEO AUDIO AND DATA

3700.0000 - 4200.0000 MHz 36M0G7W DIGITAL VIDEO AUDIO AND DATA

Points of Communication:

1 - ALSAT - (ALSAT)

SES-T/C-20130715-00612 E E000620 WATE, G.P.
Application for Consent to Transfer of Control
Current Licensee: WATE, G.P.
FROM: NEW YOUNG BROADCASTING HOLDING CO., INC.
TO: Post-Merger Shareholders of Media General, Inc.
No. of Station(s) listed: 2

SES-T/C-20130715-00613 E E850115 Young Broadcasting of Richmond, Inc.
Application for Consent to Transfer of Control
Current Licensee: YOUNG BROADCASTING OF RICHMOND, INC.
FROM: NEW YOUNG BROADCASTING HOLDING CO., INC.
TO: Post-Merger Shareholders of Media General, Inc.
No. of Station(s) listed: 1

SES-T/C-20130715-00614 E E990324 YOUNG BROADCASTING OF SAN FRANCISCO INC
Application for Consent to Transfer of Control
Current Licensee: Young Broadcasting of San Francisco, Inc.
FROM: NEW YOUNG BROADCASTING HOLDING CO., INC.
TO: Post-Merger Shareholders of Media General, Inc.
No. of Station(s) listed: 1

SES-T/C-20130715-00615 E E880837 Young Broadcasting of Sioux Falls, Inc.
Application for Consent to Transfer of Control
Current Licensee: Young Broadcasting of Sioux Falls, Inc.
FROM: NEW YOUNG BROADCASTING HOLDING CO., INC.
TO: Post-Merger Shareholders of Media General, Inc.
No. of Station(s) listed: 2

SES-T/C-20130715-00616 E E950479 Young Broadcasting of Albany, Inc.

Application for Consent to Transfer of Control

Current Licensee: YOUNG BROADCASTING OF ALBANY, INC.

FROM: NEW YOUNG BROADCASTING HOLDING CO., INC.

TO: Post-Merger Shareholders of Media General, Inc.

No. of Station(s) listed: 1

SES-T/C-20130715-00632 E E950480 WKRN, G.P.

Application for Consent to Transfer of Control

Current Licensee: WKRN, G.P.

FROM: NEW YOUNG BROADCASTING HOLDING CO., INC.

TO: Post-Merger Shareholders of Media General, Inc.

No. of Station(s) listed: 1

SES-T/C-20130717-00638 E E130005 Post-Merger Shareholders of Media General, Inc.

Application for Consent to Transfer of Control

Current Licensee: MEDIA GENERAL COMMUNICATIONS HOLDINGS, LLC

FROM: MEDIA GENERAL, INC.

TO: Post-Merger Shareholders of Media General, Inc.

No. of Station(s) listed: 6

SES-T/C-20130717-00639 E E030220 Post-Merger Shareholders of Media General, Inc.

Application for Consent to Transfer of Control

Current Licensee: MEDIA GENERAL COMMUNICATIONS HOLDINGS, LLC

FROM: MEDIA GENERAL, INC.

TO: Post-Merger Shareholders of Media General, Inc.

No. of Station(s) listed: 4

SES-T/C-20130717-00640 E E000732 Post-Merger Shareholders of Media General, Inc.

Application for Consent to Transfer of Control

Current Licensee: MEDIA GENERAL COMMUNICATIONS HOLDINGS, LLC

FROM: MEDIA GENERAL, INC.

TO: Post-Merger Shareholders of Media General, Inc.

No. of Station(s) listed: 12

INFORMATIVE

SES-MOD-20070523-00709 KA249 Astrium Services Government, Inc.

Notification letters and exhibits for the completion of C-band ESV coordination for the Islands of Kaua'I, Ni'ihau, Maui, Moloka'i, Lana'i and Kano'olawe Hawaii were filed by Astrium Services Government, Inc. on 19 July 2013 are hereby placed on public notice per DA 05-1671.

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