PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01408 **Wednesday December 21, 2011**

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-20111213-01453 E E950402 McGRAW-HILL BROADCASTING COMPANY, INC.
Application for Consent to Assignment
Grant of Authority Date Effective: 12/15/2011

Current Licensee: McGRAW-HILL BROADCASTING COMPANY, INC.
FROM: MCGRAW-HILL BROADCASTING COMPANY, INC.
TO: Scripps Media, Inc.

No. of Station(s) listed: 2

SES-LIC-20111104-01305 E E110158 NBC Telemundo License LLC **EZ**
Application for Authority 12/14/2011 - 12/14/2026
Grant of Authority Date Effective: 12/14/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: (SNG TRUCK), TRANSPORTABLE

ANTENNA ID: H-G 1.2 meters AVL TECHNOLOGIES 1210K

14000.0000 - 14500.0000 MHz 36M0G7W 65.75 dBW phase modulated carrier wiith data, video and audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20111104-01316 E E110161 NBC Telemundo License LLC **EZ**
Application for Authority 12/14/2011 - 12/14/2026
Grant of Authority Date Effective: 12/14/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: (SNG TRUCK), TRANSPORTABLE

ANTENNA ID: H-H 1.2 meters AVL TECHNOLOGIES 1210K

14000.0000 - 14500.0000 MHz	36M0G7W	65.75 dBW	phase modulated carrier wiith data, video and audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20111104-01318 E E110162 3003 Moffitt LLC
Application for Authority 12/19/2011 - 12/19/2026
Grant of Authority Date Effective: 12/19/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 3003 Moffitt Lane, Fort Bend, Missouri City, TX
29 ° 35 ' 1.90 " N LAT. 95 ° 30 ' 9.10 " W LONG.

ANTENNA ID: 1 6.1 meters Vertex 6.1KPK

10950.0000 - 11200.0000 MHz	2M00G7D		Digital Data Carrier
11450.0000 - 12200.0000 MHz	2M00G7D		Digital Data Carrier
10950.0000 - 11200.0000 MHz	54M0G7D		Digital Data Carrier
11450.0000 - 12200.0000 MHz	54M0G7D		Digital Data Carrier
14000.0000 - 14500.0000 MHz	2M00G7D	69.80 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	54M0G7D	78.60 dBW	Digital Data Carrier

ANTENNA ID: 2 9 meters Vertex 9KPK

10950.0000 - 11200.0000 MHz	2M00G7D		Digital Data Carrier
11450.0000 - 12200.0000 MHz	2M00G7D		Digital Data Carrier
10950.0000 - 11200.0000 MHz	54M0G7D		Digital Data Carrier
11450.0000 - 12200.0000 MHz	54M0G7D		Digital Data Carrier
14000.0000 - 14500.0000 MHz	2M00G7D	73.40 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	54M0G7D	82.20 dBW	Digital Data Carrier

Points of Communication:

1 - ALSAT - (ALSAT)

1 - INTEL 905 - (24.5 W.L.)

1 - NSS-7 - (22 W.L.)

SES-LIC-20111104-01319 E E110163 3003 Moffitt LLC

Application for Authority 12/19/2011 - 12/19/2026

Grant of Authority Date Effective: 12/19/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 3003 Moffitt Lane, Fort Bend, Missouri City, TX

29 ° 35 ' 1.20 " N LAT. 95 ° 30 ' 10.20 " W LONG.

ANTENNA ID: 1 3.7 meters Andrew ESA37

10950.0000 - 11200.0000 MHz	2M00G7D		Digital Data Carrier
11450.0000 - 12200.0000 MHz	2M00G7D		Digital Data Carrier
10950.0000 - 11200.0000 MHz	54M0G7D		Digital Data Carrier
11450.0000 - 12200.0000 MHz	54M0G7D		Digital Data Carrier
14000.0000 - 14500.0000 MHz	2M00G7D	65.80 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz	54M0G7D	74.60 dBW	Digital Data Carrier

Points of Communication:

1 - ALSAT - (ALSAT)

1 - INTEL 905 - (24.5 W.L.)

1 - NSS-7 - (22 W.L.)

SES-LIC-20111104-01327 E E110165 NBC Telemundo License LLC **EZ**

Application for Authority 12/14/2011 - 12/14/2026

Grant of Authority Date Effective: 12/14/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: (SNG TRUCK), TRANSPORTABLE

ANTENNA ID: H-J 1.2 meters AVL TECHNOLOGIES 1210K

14000.0000 - 14500.0000 MHz	36M0G7W	65.75 dBW	Phase modulated carrier wiith data, video and audio

Points of Communication:

1 - PERMITTED LIST - ()

SES-MFS-20111101-01280 E E070015 ECHOSTAR BROADCASTING CORPORATION
Modification 03/07/2007 - 03/07/2022
Grant of Authority Date Effective: 12/19/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: GFMA - Ku
LOCATION: 801 N. Dish Drive, Maricopa, Gilbert, AZ
33 ° 22 ' 0.80 " N LAT. 111 ° 48 ' 54.70 " W LONG.

ANTENNA ID: GFMA-Ku 13.2 meters Vertex 13.2 Meter

11700.0000 - 11704.0000 MHz	300KG2D		Telemetry Beacon (TT&C)
11700.0000 - 11704.0000 MHz	300KG2D		Telemetry Beacon (TT&C)
12196.0000 - 12200.0000 MHz	300KG2D		Telemetry Beacon (TT&C)
14496.0000 - 14500.0000 MHz	1M50G2D	75.24 dBW	Command Carrier (TT&C)
14000.0000 - 14004.0000 MHz	1M50G2D	75.24 dBW	Command Carrier (TT&C)
11700.0000 - 12200.0000 MHz	24M0M1F		Digital Compressed Video
14000.0000 - 14500.0000 MHz	24M0M1F	87.30 dBW	Digital Compressed Video
11700.0000 - 12200.0000 MHz	36M0G7W		Digital Data
14000.0000 - 14500.0000 MHz	36M0G7W	85.50 dBW	Digital Data
14000.0000 - 14004.0000 MHz	800KG2D	72.50 dBW	Telecommand
12196.0000 - 12200.0000 MHz	300KG2D		Telemetry Beacon (TT&C)
11700.0000 - 12200.0000 MHz	24M0M1F		Digital Compressed Video
11700.0000 - 12200.0000 MHz	36M0G7W		Digital Data

Points of Communication:

GFMA - Ku - ALSAT - (ALSAT)

GFMA - Ku - AMC 16 - (118.75)

GFMA - Ku - ECHOSTAR 6 - (72.7 W.L.)

GFMA - Ku - ECHOSTAR 8 - (76.85)

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

SITE ID: GFMA
LOCATION: 801 N. Dish Drive, Maricopa, Gilbert, AZ
33 ° 22 ' 0.80 " N LAT. 111 ° 48 ' 54.70 " W LONG.

ANTENNA ID: GFMA 13.2 meters Vertex 13.2 Meter

17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital Compressed Video
17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital Compressed Video
17300.0000 - 17800.0000 MHz	1M50G2D	86.90 dBW	Command Carrier (TT&C)
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Compressed Video
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Compressed Video
12200.0000 - 12700.0000 MHz	1M50G2D		Telemetry (TT&C)
12200.0000 - 12210.0000 MHz	800KG2D		Telemetry (TT&C)
12200.0000 - 12210.0000 MHz	800KG2D		Telemetry (TT&C)
12690.0000 - 12700.0000 MHz	800KG2D		Telemetry (TT&C)
12690.0000 - 12700.0000 MHz	800KG2D		Telemetry (TT&C)
17300.0000 - 17310.0000 MHz	800KG2D	84.10 dBW	Command Carrier (TT&C)
17300.0000 - 17310.0000 MHz	800KG2D	84.10 dBW	Command Carrier (TT&C)
17790.0000 - 17800.0000 MHz	800KG2D	84.10 dBW	Command Carrier (TT&C)
17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital Compressed Video
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Compressed Video
12200.0000 - 12700.0000 MHz	24M0G7W		Digital Compressed Video
17300.0000 - 17800.0000 MHz	24M0G7W	86.90 dBW	Digital Compressed Video
17790.0000 - 17800.0000 MHz	800KG2D	84.10 dBW	Command Carrier (TT&C)
12200.0000 - 12205.0000 MHz	800KG2D		Telemetry
17300.0000 - 17800.0000 MHz	1M50G2D	86.90 dBW	Command Carrier (TT&C)

12200.0000 - 12700.0000 MHz	1M50G2D	Telemetry (TT&C)

Points of Communication:

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

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

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

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

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

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

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

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

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

GFMA - ECHOSTAR 8 - (76.85)

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

GFMA - RAINBOW1 - (61.5 W.L.)

SES-MFS-20111101-01282 E E020306 ECHOSTAR BROADCASTING CORPORATION

Modification 02/03/2003 - 02/03/2018

Grant of Authority Date Effective: 12/19/2011

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service

SITE ID: GD2

LOCATION: 801 North American Sky Blvd., Maricopa, Gilbert, AZ

33 ° 21 ' 59.80 " N LAT. 111 ° 48 ' 52.30 " W LONG.

ANTENNA ID: GD2 9 meters Vertex 9M

17308.0000 - 17309.0000 MHz	1M50G2D	73.70 dBW	Telemetry Beacon (TT&C)
17300.0000 - 17800.0000 MHz	24M0G1F	85.78 dBW	Digital Carrier
12698.0000 - 12698.0000 MHz	300KG2D	0.00 dBW	Telemetry Beacon (TT&C)
12202.0000 - 12202.0000 MHz	300KG2D	0.00 dBW	Telemetry Beacon (TT&C)
12200.0000 - 12700.0000 MHz	24M0G1F	0.00 dBW	Digital Carrier
12200.0000 - 12200.0000 MHz	300KG2D	0.00 dBW	Telemetry Beacon (TT&C)
12200.0000 - 12210.0000 MHz	800KG2D		TT&C

12690.0000 - 12700.0000 MHz	800KG2D		TT&C
17300.0000 - 17310.0000 MHz	800KG2D	71.01 dBW	TT&C
17790.0000 - 17800.0000 MHz	800KG2D	71.01 dBW	TT&C
17300.0000 - 17800.0000 MHz	24M0G7W	85.78 dBW	Digital Video and Data

Points of Communication:

GD2 - ECHOSTAR 2 - (148 W.L.)

GD2 - ECHOSTAR 3 - (61.5 W.L.)

GD2 - ECHOSTAR 4 - (157 W.L.)

GD2 - ECHOSTAR 4 - (77 W.L.)

GD2 - ECHOSTAR 5 - (119 W.L.)

GD2 - ECHOSTAR 5 - (148 W.L.)

GD2 - ECHOSTAR 6 - (110 W.L.)

GD2 - ECHOSTAR 7 - (119 W.L.)

GD2 - ECHOSTAR 8 - (76.85)

GD2 - ECHOSTAR I - (148.0 W.L.)

SES-MFS-20111101-01283 E E980127 ECHOSTAR BROADCASTING CORPORATION
Modification 07/24/2008 - 07/24/2023
Grant of Authority Date Effective: 12/19/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY
41 ° 7 ' 55.20 " N LAT. 104 ° 44 ' 11.30 " W LONG.

ANTENNA ID: K2 9 meters VERTEX 9 KPK

14000.0000 - 14500.0000 MHz	36M0F8F	87.40 dBW	Analog video/audio
14000.0000 - 14500.0000 MHz	750KF2D	69.10 dBW	Digital, data carrier, QPSK
14000.0000 - 14500.0000 MHz	24M0M1F	84.18 dBW	Digital Compressed Video
14000.0000 - 14500.0000 MHz	36M0G7W	85.94 dBW	Digital, data carrier, QPSK
11700.0000 - 12200.0000 MHz			
11450.0000 - 11700.0000 MHz			

10950.0000 - 11200.0000 MHz			
14000.0000 - 14004.0000 MHz	800KG2D	69.40 dBW	Telecommand

ANTENNA ID: K7 5.6 meters ANDREW CORPORATION ESA56-124B

14000.0000 - 14500.0000 MHz	1M00G1W	66.30 dBW	Compressed digital data
14000.0000 - 14500.0000 MHz	36M0G7W	73.30 dBW	Compressed digital video
14000.0000 - 14500.0000 MHz	24M0G1W	84.18 dBW	Compressed digital video and data
11700.0000 - 12200.0000 MHz	1M00G1W		Compressed digital data
11700.0000 - 12200.0000 MHz	36M0G7W		Compressed digital video
11700.0000 - 12200.0000 MHz	24M0G1W		Compressed digital video and data

Points of Communication:

1 - ALSAT - (ALSAT)

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

1 - ANIK E2 - (111.1 W.L)

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

1 - ECHOSTAR 8 - (76.85)

1 - PAS-1R - (45.0 W.L.)

1 - PAS-3R - (43.0 W.L.)

1 - TELSTAR 11 - (37.5 W.L.)

SES-MFS-20111101-01284 E E080120 ECHOSTAR BROADCASTING CORPORATION
Modification 11/03/2008 - 11/03/2023
Grant of Authority Date Effective: 12/19/2011

Class of Station: Fixed Earth Stations

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

SITE ID: 1
LOCATION: 530 EchoStar Drive, Laramie, Cheyenne, WY
41 ° 7 ' 54.40 " N LAT. 104 ° 44 ' 13.00 " W LONG.

ANTENNA ID: D1 9 meters Vertex 9m

12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry
12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry

17790.0000 - 17800.0000 MHz	800KG2D	78.10 dBW	Telecommand
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
17790.0000 - 17800.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
12210.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Digital Data and Compressed Video
17790.0000 - 17800.0000 MHz	24M0G7W	86.50 dBW	Digital Data and Compressed Video
17300.0000 - 17310.0000 MHz	800KG2D	78.10 dBW	Telecommand
17300.0000 - 17310.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones

ANTENNA ID: D2 9 meters Vertex 9m

12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry
17300.0000 - 17310.0000 MHz	800KG2D	78.10 dBW	Telecommand
17790.0000 - 17800.0000 MHz	800KG2D	78.10 dBW	Telecommand
12200.0000 - 12210.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12690.0000 - 12700.0000 MHz	1M50F3D	0.00 dBW	Ranging Tones
12210.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Digital Data and Compressed Video
17300.0000 - 17800.0000 MHz	24M0G7W	86.50 dBW	Digital Data and Compressed Video
17300.0000 - 17310.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones
12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry
17790.0000 - 17800.0000 MHz	1M50F3D	80.84 dBW	Ranging Tones

Points of Communication:

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

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

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

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

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

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

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

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

1 - ECHOSTAR 8 - (76.85)

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

1 - RAINBOW1 - (61.5 W.L.)

SES-MFS-20111101-01286 E E050196 ECHOSTAR 77 CORP.
Modification 04/18/2006 - 04/18/2021
Grant of Authority Date Effective: 12/19/2011

Class of Station: Blanket Earth Stations

Nature of Service: Direct Broadcast Satellite Service

SITE ID: 1
LOCATION: Multiple (.66M. Antennas), CONUS, 1,000,000

ANTENNA ID: .66M 0.66 meters Various - all using the following specs. Various

12200.0000 - 12700.0000 MHz	24M0G7W	DBS SERVICE
12200.0000 - 17800.0000 MHz	24M0G7W	DBS SERVICE

Points of Communication:

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

1 - ECHOSTAR 8 - (76.85)

SES-MOD-20110321-00320 E WB36 VIZADA, INC.
Application for Modification 10/22/2011 - 10/22/2026
Grant of Authority Date Effective: 12/20/2011

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

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

SITE ID: SOUTHBURY 1
LOCATION: 2120 RIVER ROAD (12.8M.)-1C-NORM, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.30 " N LAT. 73 ° 17 ' 19.40 " W LONG.

ANTENNA ID: 21-C-NORM 12.8 meters PHILCO FORD 12.8M

6454.4000 - 6456.6000 MHz	2M20G1D	80.70 dBW	BPSK SPREAD SPECTRUM DATA (NAVIGATION)
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
6424.0000 - 6454.0000 MHz	NON	62.00 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
6424.0000 - 6454.0000 MHz	34K0F3E	62.00 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
6424.0000 - 6454.0000 MHz	2K40G7D-	51.10 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	132KG7D	62.00 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	2K40G1D-	51.10 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	2M20G1D	62.00 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	5K60G1W	54.80 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	24K0G1W	61.10 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	5K60G1E-	54.80 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	24K0G1E	61.10 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	40K0G1W	63.30 dBW	16QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	400KG1F	62.00 dBW	QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	27K0F3W	62.00 dBW	FM9 ANALOG BROADCAST CARRIER
5927.0000 - 5927.0000 MHz	NON	53.30 dBW	TT&C RANGING CARRIER

3947.0000 - 3953.0000 MHz	131KG2D	PCM/PSK/BI-PHASE TRACKING BEACON
3947.0000 - 3953.0000 MHz	131KG2D	PCM/PSK/BI-PHASE TRACKING BEACON
3700.0000 - 4200.0000 MHz	36M0F8W	TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3700.0000 - 4200.0000 MHz	36M0F8W	TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE
3600.0000 - 3629.0000 MHz	NON	UNMODULATED AFC PILOT (CLOSE LOOP)
3600.0000 - 3629.0000 MHz	34K0F3E	FM TELEPHONY COMPANDED AND UNCOMPANDED
3600.0000 - 3629.0000 MHz	2K40G7D-	BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	132KG7D	BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2K40G1D-	BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D	BPSK, DATA
3600.0000 - 3629.0000 MHz	5K60G1W-	QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1W	QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1E-	QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E	QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	40K0G1W	16QAM, DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	400KG1F	QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	2M20G1D	BPSK SPREAD SPECTRUM DATA - NAVIGATION CLOSE LOOP
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

SITE ID: Ku-Band ESV Remotes
LOCATION: Operate Up to 500 (1.5M. remotes) U.S. AND INTERNATIONAL WATERS, SeaTel6006

ANTENNA ID: SeaTel6006 1.5 meters SEA TEL 6006

14000.0000 - 14500.0000 MHz	194KG7W	48.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M43G1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	49.70 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M35G1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	51.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	51.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	41.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	452KG7W	51.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	53.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	81K0G7W	44.20 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	44.60 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	97K0G7W	44.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		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	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	81K0G7W		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	81K0G7W		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	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
14000.0000 - 14500.0000 MHz	151KG7W	46.90 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: SOUTHBURY-2

LOCATION: 2120 RIVER ROAD (12.8M.)-2 C-TT&C, NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 5.00 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: 21-C-TT&C 12.8 meters PHILCO FORD 12.8M

5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW	ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE

SITE ID: C-band ESV Remotes

LOCATION: Operate up to 300 (2.4m Remotes) U.S. AND INTERNATIONAL WATERS, SeaTel9707

ANTENNA ID: SeaTel9707 2.4 meters SEA TEL 9707

5925.0000 - 6425.0000 MHz	179KG1W	51.21 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	134KG1W	49.96 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	1M43G1W	57.80 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.22 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.23 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.20 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.19 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	179KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	134KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M43G1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	358KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	717KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	89K6G1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION

ANTENNA ID: SeaTel9797 2.4 meters SEATEL 9797

5925.0000 - 6425.0000 MHz	179KG1W	51.21 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	134KG1W	49.96 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	1M43G1W	58.80 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.22 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.19 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.23 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.20 dBW	SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	179KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	134KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M43G1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	358KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	44K8G1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	717KG1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	89K6G1W		SCPC CARRIERS USING 16− QAM, 8− QAM, 8− PSK, QPSK OR BPSK MODULATION

SITE ID: REMOTES ESVKU

LOCATION: OPERATE UP TO 500 REMOTES VSAT 1.0M.-SeaTel4006, CONUS

ANTENNA ID: SeaTel4003 1 meters SEA TEL 4003A

14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	538KG1W	45.20 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	45.80 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	42.80 dBW	DVB/MFTMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	45.80 dBW	DVB/MFTDMA 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	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/MFTMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DVB/MFTMA 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	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/MFTMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DVB/MFTMA USING QPSK AND BPSK MODULATION

ANTENNA ID: SeaTel4006 1 meters SEA TEL 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	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	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
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	54M0G7W		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

ANTENNA ID: 4996TKU 1.2 meters SEA TEL 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: KU-BAN ESV REMOTES

LOCATION: 500 (1.2 METER ANTENNAS) U.S. AND INTERNATIONAL WATERS, SeaTel5010

ANTENNA ID: SeaTel5009 1.2 meters SEA TEL 5009

14000.0000 - 14500.0000 MHz	194KG7W	45.90 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	222KG7W	46.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	263KG7W	47.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	47.60 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	296KG7W	47.70 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	345KG7W	48.30 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	48.90 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	417KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	445KG7W	49.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	452KG7W	49.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	518KG7W	50.20 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	41.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	51.30 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	42.90 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11700.0000 - 12200.0000 MHz	64K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 11700.0000 MHz	64K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	64K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION

ANTENNA ID:	ST4009/10	1 meters	SEA TEL	4009/4010
ANTENNA ID:	SeaTel5010	1.2 meters	SEA TEL	5010
ANTENNA ID:	SeaTel6009	1.5 meters	SEA TEL	6009
ANTENNA ID:	INTL V110	1.05 meters	INTELLIAN	V110

SITE ID: SBY33 KU

LOCATION: 2120 River Road (9.M.)-SBY33-2, New Haven, Southbury, CT

41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID:	SBY33-2KU	9 meters	VERTEX	9 KPK

14000.0000 - 14500.0000 MHz	72M0G7W	88.70 dBW	DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	9K00G7W	49.60 dBW	DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	1M60G1F	72.10 dBW	PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	63.10 dBW	PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO

14000.0000 - 14500.0000 MHz	36M0F8W	80.10 dBW	ANALOG VIDEO
11700.0000 - 12200.0000 MHz	9K00G7W		DIGITAL VIDEO, AUDIO AND DATA
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO AND ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	72M0G7W		DIGITAL VIDEO, AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO

SITE ID: Ku-band ESV Remotes
LOCATION: OPERATE UP TO 500 REMOTES VSAT 1.0M.-SeaTel4003, CONUS

SITE ID: Ku-band ESV Remotes
LOCATION: OPERATE UP TO 500 REMOTES VSAT 1.2M.-SeaTel5009, CONUS

SITE ID: Ku-band ESV Remotes
LOCATION: OPERATE UP TO 500 REMOTES VSAT 1.5M.-SeaTel6006, CONUS

SITE ID: SOUTHBURY 3
LOCATION: 2120 RIVER ROAD (12.8M.)-3 L-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: 21- L-BAND 12.8 meters PHILCO FORD 12.8M

1626.5000 - 1660.5000 MHz	NON	40.50 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
1626.5000 - 1660.5000 MHz	34K0F3E	36.00 dBW	TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED
1626.5000 - 1660.5000 MHz	2K40G7D-	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	132KG7D	36.00 dBW	TEST BPSK, DATA/TDM
1626.5000 - 1660.5000 MHz	2K40G1D-	36.00 dBW	TEST BPSK, DATA
1626.5000 - 1660.5000 MHz	2M20G1D	36.00 dBW	TEST BPSK, DATA
1626.5000 - 1660.5000 MHz	5K60G1W-	36.00 dBW	TEST QPSK, DATA/FAX
1626.5000 - 1660.5000 MHz	2K40G1W	36.00 dBW	TEST QPSK, DATA/FAX
1626.5000 - 1660.5000 MHz	5K60G1E-	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	24K0G1E	36.00 dBW	TEST QPSK, TELEPHONY
1626.5000 - 1660.5000 MHz	40K0G1W	48.20 dBW	TEST 16QAM DIGITAL TELEPHONY

1626.5000 - 1660.5000 MHz	400KG1F	36.00 dBW	TEST QPSK DIGITAL VIDEO/DATA
1574.4000 - 1576.6000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
1525.0000 - 1559.0000 MHz	NON		UNMODULATED AFC PILOT (CLOSE LOOP)
1525.0000 - 1559.0000 MHz	34K0F3E		TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED
1525.0000 - 1559.0000 MHz	2K40G7D-		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	132KG7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2K40G1D-		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	5K60G1W-		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	2K40G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	5K60G1E-		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	40K0G1W		TEST 16QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F		TEST QPSK DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP

ANTENNA ID: 23A-C-NOR 10.4 meters PHILCO FORD 10.4M

6454.4000 - 6456.6000 MHz	2M20G1D	73.50 dBW	BPSK SPREAD SPECTRUM DATA (NAVIGATION)
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
6424.0000 - 6454.0000 MHz	NON	59.50 dBW	UNMODULATED AFC PILOT
6424.0000 - 6454.0000 MHz	34K0F3E	59.50 dBW	FM TELEPHONY COMPANDED AND UNCOMPANDED
6424.0000 - 6454.0000 MHz	2K40G7D-	48.60 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	132KG7D	59.50 dBW	BPSK, DATA/TDM
6424.0000 - 6454.0000 MHz	2K40G1D-	48.60 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	2M20G1D	71.70 dBW	BPSK, DATA
6424.0000 - 6454.0000 MHz	5K60G1W-	52.30 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	24K0G1W	58.60 dBW	QPSK, DATA/FAX
6424.0000 - 6454.0000 MHz	5K60G1E-	52.30 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	24K0G1E	58.60 dBW	QPSK, TELEPHONY
6424.0000 - 6454.0000 MHz	40K0G1W	60.80 dBW	16QAM DIGITAL TELEPHONY
6424.0000 - 6454.0000 MHz	400KG1F	59.50 dBW	QPSK, DIGITAL VIDEO/DATA
6424.0000 - 6454.0000 MHz	27K0F3W	59.50 dBW	FM9 ANALOG BROADCAST CARRIER
5927.0000 - 5927.0000 MHz	NON	50.80 dBW	TT&C RANGING CARRIER
3947.0000 - 3953.0000 MHz	131KG2D		PCM/PSK/BI-PHASE TRACKING BEACON
3700.0000 - 4200.0000 MHz	36M0F8W		TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE

3600.0000 - 3629.0000 MHz	NON	UNMODULATED AFC PILOT
3600.0000 - 3629.0000 MHz	34K0F3E	FM TELEPHONY COMPANDED ANAD UNCOMPANDED
3600.0000 - 3629.0000 MHz	2K40G7D-	BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	132KG7D	BPSK, DATA/TDM
3600.0000 - 3629.0000 MHz	2K40G1D-	BPSK, DATA
3600.0000 - 3629.0000 MHz	2M20G1D	BPSK, DATA
3600.0000 - 3629.0000 MHz	5K60G1W-	QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	24K0G1W	QPSK, DATA/FAX
3600.0000 - 3629.0000 MHz	5K60G1E-	QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	24K0G1E	QPSK, TELEPHONY
3600.0000 - 3629.0000 MHz	40K0G1W	16QAM DIGITAL TELEPHONY
3600.0000 - 3629.0000 MHz	400KG1F	QPSK, DIGITAL VIDEO/DATA
3600.0000 - 3629.0000 MHz	2M20G1D	BPSK SPREAD SPECTRUM DATA (NAVIGATION)
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 - 3629.0000 MHz	100KG1X	DIGITAL DATA

SITE ID: SOUTHBURY 4
LOCATION: 2120 RIVER ROAD (10.4M.)-23A-C-NOR, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: 23A-C-TT&C 10.4 meters PHILCO FORD 104.M

5925.0000 - 6425.0000 MHz	36M0F8W	86.50 dBW	TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE

SITE ID: SOUTHBURY 5
LOCATION: 2120 RIVER ROAD (10.4M.)-23A-C-TT&C, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

SITE ID: SOUTHBURY 6
LOCATION: 2120 RIVER ROAD (1.8M.)-23B-L-BAND, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.10 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: 23B-L-BAND 1.8 meters TRUE FOCUS 1.8M

1626.5000 - 1660.5000 MHz	NON	27.20 dBW	UNMODULATED AFC PILOT (CLOSE LOOP)
1574.4000 - 1576.6000 MHz	2M20G1D		TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP
1525.0000 - 1559.0000 MHz	NON		UNMODULATED AFC PILOT
1525.0000 - 1559.0000 MHz	34K0F3E		TEST FM TELEPHONY COMPANDED AND UNCOMPANDED
1525.0000 - 1559.0000 MHz	2K40G7D-		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	132KG7D		TEST BPSK, DATA/TDM
1525.0000 - 1559.0000 MHz	2K40G1D-		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	2M20G1D		TEST BPSK, DATA
1525.0000 - 1559.0000 MHz	5K60G1W-		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	24K0G1W		TEST QPSK, DATA/FAX
1525.0000 - 1559.0000 MHz	5K60G1E-		TEST QPSK, TELEPHONY
1525.0000 - 1559.0000 MHz	24K0G1E		TEST QPSK, TELEPHONY

1525.0000 - 1559.0000 MHz	40K0G1W	TEST 16QAM DIGITAL TELEPHONY
1525.0000 - 1559.0000 MHz	400KG1F	TEST QPSK, DIGITAL VIDEO/DATA
1525.0000 - 1559.0000 MHz	2M20G1D	TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP

SITE ID: SOUTHBURY 7
LOCATION: 2120 RIVER ROAD (9.M.) -SBY30-1, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.00 " N LAT. 73 ° 17 ' 19.00 " W LONG.

ANTENNA ID: SBY 30-1KU 9 meters VERTEX 9KPK

14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	42M0G7W	86.31 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	36M0G7W	77.23 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	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
14000.0000 - 14500.0000 MHz	100KG7W	60.07 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	76K8G7W	58.93 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	32K0G7W	55.13 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK DIGITAL DATA
14000.0000 - 14500.0000 MHz	45M0G7W	86.60 dBW	DIGITAL VIDEO, AUDIO, AND DATA

14000.0000 - 14500.0000 MHz	600KG7W	67.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO, AND DATA
14000.0000 - 14500.0000 MHz	1M86G7W	68.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13780.0000 - 14500.0000 MHz	10M0G7W	80.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
13780.0000 - 14500.0000 MHz	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
13778.0000 - 14000.0000 MHz	1M86G7W	68.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13778.0000 - 14000.0000 MHz	45M0G7W	86.60 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13778.0000 - 14000.0000 MHz	600KG7W	67.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 14000.0000 MHz	36M0G7W	74.50 dBW	QPSK, DIGITAL TELEPHONY
13750.0000 - 13772.0000 MHz	1M86G7W	68.80 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13772.0000 MHz	21M0G7W	83.30 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13772.0000 MHz	600KG7W	67.90 dBW	DIGITAL VIDEO, AUDIO, AND DATA
13750.0000 - 13770.0000 MHz	10M0G7W	80.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
13750.0000 - 13770.0000 MHz	64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
11700.0000 - 12200.0000 MHz	10M0G7W		DIGITAL VIDEO, AUDIO AND DATA
11700.0000 - 12200.0000 MHz	64K0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 11700.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11450.0000 - 11700.0000 MHz	72M0G7W		QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	42M0G7W		QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	36M0F8W		ANALOG VIDEO
11450.0000 - 11700.0000 MHz	36M0G7W		QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	20M0G7W		QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	2M29G7W		QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	1M60G1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	800KG1F		PSK DIGITAL VIDEO W/ASSOC DIG AUDIO

11450.0000 - 11700.0000 MHz	400KG1F	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	200KG1F	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
11450.0000 - 11700.0000 MHz	100KG7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	76K8G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	43K8G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	45K0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	32K0G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	9K00G7W	QPSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	10M0G7W	DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 11700.0000 MHz	64K0G7W	DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 11700.0000 MHz	417KG7W	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	64K0G7W	DIGITAL VIDEO, AUDIO, AND DATA
11450.0000 - 11700.0000 MHz	7M50G7W	DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	417KG7W	DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	64K0G7W	DIGITAL VIDEO, AUDIO, AND DATA
10950.0000 - 11200.0000 MHz	7M50G7W	DIGITAL VIDEO, AUDIO, AND DATA
10700.0000 - 12750.0000 MHz	36M0G7W	QPSK, DIGITAL TELEPHONY

Points of Communication:

C-band ESV Remotes - NSS-7 - (338.5 E.L.)

KU-BAN ESV REMOTES - ALSAT - (ALSAT)

KU-BAN ESV REMOTES - ALSAT - (ALSAT)

KU-BAN ESV REMOTES - ALSAT - (ALSAT)

KU-BAN ESV REMOTES - ALSAT - (ALSAT)

Ku-Band ESV Remotes - ALSAT - (ALSAT)

Ku-Band ESV Remotes - ESTRELA DO SUL 1 - (63 W.L.)

SBY33 KU - ALSAT - (ALSAT)

SOUTHBURY 1 - ALSAT - (ALSAT)

SOUTHBURY 1 - TELSTAR 11N - (37.55 W.L.)

SOUTHBURY 3 - INMARSAT 3F4 - (54 W.L.)

SOUTHBURY 3 - INMARSAT-2 AOR-WEST - (98 W.L.)

SOUTHBURY 4 - AMAZONAS 1 - (61 W.L.)

SOUTHBURY 4 - AMOS-2 - (4.0 W.L.)

SOUTHBURY 5 - ESTRELA DO SUL 1 - (63 W.L.)

SOUTHBURY 5 - INMARSAT 4F2 - (52.75)

SOUTHBURY 6 - INMARSAT 4F3 - (97.65 W.L.)

SOUTHBURY 6 - ISAT List -

SOUTHBURY 7 - INMARSAT 4F3 - (98 W.L.)

SOUTHBURY-2 - INMARSAT Ltd-3 - (15.5 W.L.)

SOUTHBURY-2 - MARISAT-F2 - (33.9 W.L.)

SES-MOD-20111020-01239 E E900556 KOCH PIPELINE COMPANY LP

Application for Modification 09/14/2010 - 09/14/2025

Grant of Authority Date Effective: 12/14/2011

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: 1 VSAT

LOCATION: VSAT (1.8M.) PRODELIN, CONUS, (400 UNITS)

ANTENNA ID: 1VSAT	1.8 meters	PRODELIN		AN-1018P
14000.0000 - 14500.0000 MHz	307KG7D	51.00 dBW		256 KSPS DATA, QPSK, W/FEC
11700.0000 - 12200.0000 MHz	480KG7D			384 KSPS DATA, QPSK, W/FEC

SITE ID: REMOTE 1

LOCATION: VSAT (1.2M.) PRODELIN, CONUS, (100 UNITS)

37 ° 45 ' 4.00 " N LAT. 97 ° 17 ' 25.00 " W LONG.

ANTENNA ID: REMT1	1.2 meters	PRODELIN		1123-350
14000.0000 - 14500.0000 MHz	307KG7D	47.70 dBW		256 KSPS DATA, QPSK, W/FEC
11700.0000 - 12200.0000 MHz	480KG7D			384 KSPS DATA, QPSK, W/FEC

SITE ID: REMOTE 2

LOCATION: 1.2M. VSAT, (400 UNITS) SKYWARE GLOBAL, CONUS, AK, HI

ANTENNA ID: REMT2 1.2 meters SKYWARE GLOBAL TYPE 122

14000.0000 - 14500.0000 MHz	307KG7D	47.70 dBW	256 KSPS DATA, QPSK, W/FEC
11700.0000 - 12200.0000 MHz	480KG7D		384 KSPS DATA, QPSK, W/FEC

Points of Communication:

1 VSAT - ALSAT - (ALSAT)

REMOTE 1 - AMC 2 - (78.95 W.L.)

REMOTE 2 - ALSAT - (ALSAT)

SES-STA-20111115-01374 E KL92 Intelsat License LLC
Special Temporary Authority
Grant of Authority Date Effective: 12/14/2011

Class of Station:

Intelsat License LLC ("Intelsat") is granted of Special Temporary
Authority ("STA") for 30 days, from December 28, 2011 through January 26, 2012, to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase ("LEOP") services for the SES-4 satellite, that is expected to be launched on December 28, 2011. The LEOP period is expected to last approximately 10 days. The permanent orbital location for SES-4 will be 22.0° W.L. The satellite will be in-orbit tested at 26.0° W.L.

Points of Communication:

SES-STA-20111128-01389 E Universal Space Network, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 12/15/2011

Class of Station:

Universal Space Network Inc. is granted authorization to operate its North Pole, Alaska , 13.0 meter antenna earth station identified in this application on transmit frequency 2089.355 MHz and receive frequency 2089.355 MHz to communicate during the Launch and Early Orbit Phase (LEOP) of the Pleiades-1 space craft from December 15, 2011 to December 23, 2011 under the following conditions.

Points of Communication:

SES-STA-20111208-01431 E KA313 VIZADA, INC.
Special Temporary Authority
Grant of Authority Date Effective: 12/14/2011

Class of Station:

Vizada Inc. is granted, under the following conditions, Special Temporary Authority for 60 days, from 12/14/2011 through 02/23/2012, to operate within conforming parameters as described in SES-AFS-20111121-01381; the conditions defined in SES-MOD-20110128-00069 and the following conditions.

Points of Communication:

SES-STA-20111208-01433 E E110164 NBC Telemundo License LLC
Special Temporary Authority
Grant of Authority Date Effective: 12/14/2011

Class of Station:

NBC Telemundo License LLC , reference application not granted. Grant this (STA) Special Temporary Authority under the standard conditions for 60 days from 12/14/2011 through 02/23/2012.

Points of Communication:

SES-STA-20111209-01447 E E7541 Lockheed Martin Corporation
Special Temporary Authority
Grant of Authority Date Effective: 12/14/2011

Class of Station:

Lockheed Martin Corporation is granted special temporary authority to operate its Carpentersville, New Jersey Ku-band fixed earth station antenna (see File No. SES-LIC-20081103-01443, as amended) to provide telemetry, tracking and control ("TT&C") functions during the post-launch, transfer orbit, and in-orbit testing ("IOT") phases of operation for the SES-4 satellite that will be operated by New Skies Satellites B.V., a sister company of SES Americom, Inc. Lockheed Martin intends to perform test transmissions in preparation for the launch on or about 12/25/2011. Authorization is granted for 12/25/2011 to 2/23/2012 (60 days). SES-4 satellite is expected to be located at 26º W.L. for IOT before being relocated to its designated location at the nominal 22º W.L. slot.

Points of Communication:

SES-STA-20111215-01458 E E050017 EchoStar Satellite Operating Corporation
Special Temporary Authority
Grant of Authority Date Effective: 12/20/2011

Class of Station:

EchoStar Broadcasting Corporation requests extension of its special temporary authority granted under SES-STA-20111109-01347 to operate Call Signs E050017 with EchoStar 6 satellite at 76.95 W.L. for 30 days to provide both TT&C and feeder link communications from December 21, 2011 to January 20, 2012.

Points of Communication:

SES-STA-20111215-01459 E E070273 EchoStar Satellite Operating Corporation
Special Temporary Authority
Grant of Authority Date Effective: 12/20/2011

Class of Station:

The request of EchoStar Broadcasting Corporation (EchoStar) for extension of special temporary authority described in IBFS File No. SES-STA-20111215-01459, is granted. Accordingly, EchoStar is authorized a 30 day extension of SES-STA-20111109-01348, from December 23, 2011 to January 22, 2012, to conduct telemetry, tracking, and telecommand operations with EchoStar 6 space station (Call Sign S2232) at 76.95º W.L. orbital location authorized under SAT-STA-20111202-00232 .

Points of Communication:

SES-STA-20111215-01460 E E980081 EchoStar Satellite Operating Corporation
Special Temporary Authority
Grant of Authority Date Effective: 12/20/2011

Class of Station:

The request of EchoStar Broadcasting Corporation (EchoStar) for extension of special temporary authority described in IBFS File No. SES-STA-20111215-01460, is granted. Accordingly, EchoStar is authorized a 30 day extension of SES-STA-20111109-01346, from December 20, 2011 to January 19, 2012, to conduct telemetry, tracking, and telecommand operations with EchoStar 6 space station (Call Sign S2232) at 76.95º W.L. orbital location authorized under SAT-STA-20111202-00232 .

Points of Communication:

SES-STA-20111219-01462 E E970336 SES Americom, Inc.
Special Temporary Authority
Grant of Authority Date Effective: 12/20/2011

Class of Station:

SES Americom, Inc. is granted extension of Special Temporary Authority (STA) for 60 days beginning December 27, 2011 until February 25, 2012 to permit earth station E970336 to communicate with the Ciel 2 spacecraft in order to provide telemetry, tracking and control in the 17.3-17.8 GHz uplink and 12.2-12.7 downlink frequencies of the Ciel 2 space station at 128.85 WL under the following conditions.

Points of Communication:

SES-T/C-20110818-00979 E E040390 VIZADA, INC.
Application for Consent to Transfer of Control
Consummated Date Effective: 12/19/2011

Current Licensee: VIZADA, INC.
FROM: Chrysaor S. ar.l.
TO: Astrium Holding S.A.S.

No. of Station(s) listed: 18

SES-T/C-20110818-00980 E E000280 VIZADA, INC.
Application for Consent to Transfer of Control
Consummated Date Effective: 12/19/2011

Current Licensee: VIZADA, INC.
FROM: Chrysaor S. ar.l.
TO: Astrium Holding S.A.S.

No. of Station(s) listed: 6

CORRECTIONS

SES-RWL-20110908-01047 E010011 Deere & Company

On November 9, 2011, the Satellite Division designated the above-captioned proceeding as "permit-but-disclose" for purposes of the Commission's rules governing ex parte communications, effective November 9, 2011. We find that designating this proceeding as "permit-but-disclose" will facilitate communications with the parties. See 47 C.F.R. §§ 1.1200(a), 1.1206 and 1.1208 note 2. This notice corrects a prior informative released on November 23, 2011, which referenced an incorrect file number. See Public Notice, Report No. SES-01400.

Dismissal

SES-STA-20111208-01434 E110165 NBC Telemundo License LLC

STA application has been dismissed as moot, because underlying application SES-LIC-20111104-01327, has been granted.

SES-STA-20111208-01435 E110161 NBC Telemundo License LLC

STA application has been dismissed as moot, because underlying application SES-LIC-20111104-01316, has been granted.

SES-STA-20111208-01436 E110158 NBC Telemundo License LLC

STA application has been dismissed as moot, because underlying application SES-LIC-20111104-01305, has been granted.

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