



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
 445 12th STREET S.W.  
 WASHINGTON D.C. 20554

News media information 202-418-0500  
 Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)  
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**Report No. SES-01271**

**Wednesday August 18, 2010**

## 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.

<b>SES-LIC-20020823-01410</b>	E E880067	SUNGARD NETWORK SOLUTIONS INC.	
Application for Authority			10/23/2002 - 10/23/2017
Grant of Authority			Date Effective: 10/23/2002

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

Applicants FRN Update contact mailing address changed per letter dated August 11, 2010.

SITE ID: 1  
 LOCATION: 711 EDGEWOOD DRIVE (6.1 METER HUB), DUPAGE, WOOD DALE, IL  
 41 ° 58 ' 30.00 " N LAT. 87 ° 57 ' 52.40 " W LONG.

ANTENNA ID: 1	6.1 meters	VERTEX	6.1 KPK
14000.0000 - 14500.0000 MHz	307KG7D	67.80 dBW	DIGITAL, DATA
11700.0000 - 12200.0000 MHz	1M23G7D		DIGITAL, DATA
11700.0000 - 12200.0000 MHz	1M23G7D		DIGITAL, DATA

**Points of Communication:**

1 - ALSAT - (ALSAT)

<b>SES-LIC-20020823-01411</b>	E E880068	SUNGARD NETWORK SOLUTIONS INC.	
Application for Authority			10/23/2002 - 10/23/2017
Grant of Authority			Date Effective: 10/23/2002

**Class of Station:** VSAT Network

**Nature of Service:** Domestic Fixed Satellite Service

Applicants FRN Update contact mailing address changed per letter dated August 11, 2010.

SITE ID: REMOTE1  
LOCATION: VSAT (1.8 METER), CONUS, (420 UNITS)

ANTENNA ID:	Remote 1	1.8 meters	M/A-COM TELECOMS	PES-RFT-180
	14000.0000 - 14500.0000 MHz		307KG7D 49.70 dBW	DIGITAL, DATA
	11700.0000 - 12200.0000 MHz		1M23G7D	DIGITAL , DATA

**Points of Communication:**

REMOTE1 - ALSAT - (ALSAT)

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<b>SES-LIC-20031002-01362</b>	E KA365	Neptune Pacific License Corporation		
Application for Authority			12/23/2003 - 12/23/2018	
Revocation of License or Authorization			Date Effective:	08/12/2010

**Class of Station:** Fixed Earth Stations

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

License for Neptune Pacific License Corpration is Revoked, per Commission's action on August 12, 2010.

SITE ID: 1  
LOCATION: 16799 N.W. Fairdale Rd., Yamhill, Moores Valley, OR  
45 ° 20 ' 32.40 " N LAT. 123 ° 17 ' 19.40 " W LONG.

ANTENNA ID:	1	18.3 meters	Universal	1830
	3625.0000 - 4200.0000 MHz		26M0G7W	Digital Voice and Data
	5850.0000 - 6425.0000 MHz		26M0G7W 90.59 dBW	Digital Voice and Data

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - INTELSAT POR - (174.0 E.L.)
- 1 - INTELSAT POR - (177.0 E.L.)
- 1 - INTELSAT POR - (180.0 E.L.)
- 1 - New Skies 513 - (183 E.L.)

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<b>SES-LIC-20100615-00705</b>	E E990444	WATERFALL GROUP LTD		
Application for Authority			08/11/2010 - 08/11/2025	
Grant of Authority			Date Effective:	08/11/2010

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 320 DOCK STREET (Waterfall Resort), KETCHIKAN, WATERFALL, AK  
55 ° 17 ' 47.80 " N LAT. 133 ° 14 ' 36.00 " W LONG.

ANTENNA ID:	1	3.6 meters	SCIENTIFIC ATLANTA, INC.	8136
5925.0000 - 6425.0000 MHz		36M0G7W	65.50 dBW	TRANSMIT DATA, FACSIMILE & TELEPHONY
5925.0000 - 6425.0000 MHz		6K72G7W	45.15 dBW	TRANSMIT DATA, FACSIMILE & TELEPHONY
5925.0000 - 6425.0000 MHz		6K72D7W	45.15 dBW	TRANSMIT DATA, FACSIMILE & TELEPHONY
5925.0000 - 6425.0000 MHz		36M0D7W	65.50 dBW	TRANSMIT DATA, FACSIMILE & TELEPHONY
3700.0000 - 4200.0000 MHz		6K72G7W		TRANSMIT DATA, FACSIMILE & TELEPHONY
3700.0000 - 4200.0000 MHz		36M0G7W		TRANSMIT DATA, FACSIMILE & TELEPHONY
3700.0000 - 4200.0000 MHz		6K72D7W		TRANSMIT DATA, FACSIMILE & TELEPHONY
3700.0000 - 4200.0000 MHz		36M0D7W		TRANSMIT DATA, FACSIMILE & TELEPHONY

**Points of Communication:**

1 - ALSAT - (ALSAT)

1 - ANIK E2R - (111.1 W.L.)

1 - ANIK F3 - (118.7 W.L.)

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**SES-MOD-20100517-00615** E WB36 Vizada, Inc.

Application for Modification

10/22/2001 - 10/22/2011

Grant of Authority

Date Effective: 08/16/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: SOUTHURY

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHURY, 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

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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

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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
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
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

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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



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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
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
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

ANTENNA ID:	SBY 30	9 meters	VERTEX	9KPK	
			36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY
			72M0G7W	88.55 dBW	QPSK DIGITAL DATA
			42M0G7W	86.31 dBW	QPSK DIGITAL DATA
			36M0F8W	80.14 dBW	ANALOG VIDEO
			36M0G7W	77.23 dBW	QPSK DIGITAL DATA
			20M0G7W	83.08 dBW	QPSK DIGITAL DATA
			2M29G7W	73.67 dBW	QPSK DIGITAL DATA
			1M60G1F	72.12 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
			800KG1F	69.11 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
			400KG1F	66.10 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
			200KG1F	63.08 dBW	PSK DIGITAL VIDEO W/ASSOC DIG AUDIO
			100KG7W	60.07 dBW	QPSK DIGITAL DATA
			76K8G7W	58.93 dBW	QPSK DIGITAL DATA
			43K8G7W	56.49 dBW	QPSK DIGITAL DATA
			45K0G7W	56.61 dBW	QPSK DIGITAL DATA
			32K0G7W	55.13 dBW	QPSK DIGITAL DATA
			9K00G7W	49.62 dBW	QPSK DIGITAL DATA
			10M0G7W	80.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
			64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
			36M0G7W	74.50 dBW	QPSK, DIGITAL TELEPHONY
			10M0G7W	80.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
			64K0G7W	58.10 dBW	DIGITAL VIDEO, AUDIO AND DATA
			10M0G7W		DIGITAL VIDEO, AUDIO AND DATA
			64K0G7W		DIGITAL VIDEO, AUDIO AND DATA

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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
10700.0000 - 12750.0000 MHz	36M0G7W	QPSK, DIGITAL TELEPHONY
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
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
13750.0000 - 13772.0000 MHz	1M86G7W	68.80 dBW		DIGITAL VIDEO, AUDIO, AND 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
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
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
14000.0000 - 14500.0000 MHz	1M86G7W	68.80 dBW		DIGITAL VIDEO, AUDIO, AND DATA

SITE ID: Ku-Band ESV Remotes  
LOCATION: Operate Up to 400 (1.5 m remotes) U.S. and International waters

ANTENNA ID: SeaTel6006      1.5 meters      SEATEL      6006

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
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
11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M35G1W		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	1M43G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M35G1W		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	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: SOUTHBURY-KU

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 5.00 " N LAT.

73 ° 17 ' 19.00 " W LONG.

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SITE ID: C-band ESV Remotes  
LOCATION: Operate up to 300 (2.4m Remotes) U.S. and International waters

ANTENNA ID:	SeaTel9707	2.4 meters	SEATEL	9707
5925.0000 - 6425.0000 MHz		179KG1W	51.21 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		134KG1W	49.96 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		1M43G1W	57.80 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		358KG1W	54.22 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		717KG1W	57.23 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		89K6G1W	48.20 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		44K8G1W	45.19 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		179KG1W		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		134KG1W		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		1M43G1W		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		358KG1W		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		44K8G1W		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		717KG1W		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		89K6G1W		SCPC CARRIERS USING 16QAM, 8QAM, 8QAM; 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 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		134KG1W	49.96 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		1M43G1W	58.80 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		358KG1W	54.22 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		44K8G1W	45.19 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		717KG1W	57.23 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz		89K6G1W	48.20 dBW	SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		179KG1W		SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		134KG1W		SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		1M43G1W		SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		358KG1W		SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		44K8G1W		SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		717KG1W		SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz		89K6G1W		SCPC CARRIERS USING 16QAM, 8QAM, 8PSK, QPSK OR BPSK MODULATION

SITE ID: REMOTES ESV  
LOCATION: Operate up to 550 remotes, CONUS



ANTENNA ID:	4003A	1 meters	SEATEL	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: 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	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: 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: Ku-band ESV Remotes  
LOCATION: 500 (1.2 meter antennas), CONUS

ANTENNA ID:	SeaTel5009	1.2 meters	SEATEL	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

**Points of Communication:**

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

Ku-Band ESV Remotes - ALSAT - (ALSAT)

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

SOUTHBURY - ALSAT - (ALSAT)

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

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

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

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

SOUTHBURY - INMARSAT 4F2 - (52.75)

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

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

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

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

SOUTHBURY - ISAT List -

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

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

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**SES-RWL-20050927-01326** E E950171 SUNGARD NETWORK SOLUTIONS INC.  
Renewal 10/27/2005 - 10/27/2020  
Grant of Authority Date Effective: 10/13/2005

**Class of Station:** VSAT Network

**Nature of Service:** Domestic Fixed Satellite Service

Applicants FRN Update contact mailing address changed per letter dated August 11, 2010.

SITE ID: 1  
LOCATION: CONUS, AK, HI

ANTENNA ID:	1	4.6 meters	VERTEX	4.57M
	14000.0000 - 14500.0000 MHz		137KG7D	52.30 dBW
	14000.0000 - 14500.0000 MHz		1M23G7D	55.30 dBW
	11700.0000 - 12200.0000 MHz		137KG7D	
	11700.0000 - 12200.0000 MHz		1M23G7D	

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20050927-01327** E E950170 SUNGARD NETWORK SOLUTIONS INC.  
Renewal 10/27/2005 - 10/27/2020  
Grant of Authority Date Effective: 10/13/2005

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

Applicants FRN Update contact mailing address changed per letter dated August 11, 2010.

SITE ID: 1  
LOCATION: 711 Edgewood Drive, DUPAGE, WOODDALE, IL  
41 ° 58 ' 30.00 " N LAT. 87 ° 57 ' 52.00 " W LONG.

ANTENNA ID:	1	6.1 meters	VERTEX	6.1KPK
	14000.0000 - 14500.0000 MHz		1M23G7D	71.00 dBW

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11700.0000 - 12200.0000 MHz      307KG7D

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20100805-01002**    E E000601    FOX BROADCASTING COMPANY

Renewal

09/19/2010 - 09/19/2025

Grant of Authority

Date Effective:    08/11/2010

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**    Domestic Fixed Satellite Service

SITE ID:            1

LOCATION:            1999 SOUTH BUNDY DRIVE, LOS ANGELES, LOS ANGELES, CA

34 ° 1 ' 59.00 " N LAT.

118 ° 27 ' 27.30 " W LONG.

ANTENNA ID:    1                    4.5 meters            ANDREW CORPORATION            4.5M

3700.0000 - 4200.0000 MHz            36M0G7F            DIGITAL

3700.0000 - 4200.0000 MHz            36M0F8F            ANALOG

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20100805-01003**    E E000603    FOX BROADCASTING COMPANY

Renewal

09/19/2010 - 09/19/2025

Grant of Authority

Date Effective:    08/11/2010

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**    Domestic Fixed Satellite Service

SITE ID:            1

LOCATION:            10000 PERKINS, EAST BATON ROUGE, BATON ROUGE, LA

30 ° 22 ' 37.30 " N LAT.

91 ° 5 ' 49.40 " W LONG.

ANTENNA ID:    1                    5 meters            AFC                                    5M

3700.0000 - 4200.0000 MHz            36M0G7F            DIGITAL

3700.0000 - 4200.0000 MHz            36M0F8F            ANALOG

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100805-01004 E E000605 FOX BROADCASTING COMPANY  
Renewal 09/19/2010 - 09/19/2025  
Grant of Authority Date Effective: 08/11/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 1025 S. JEFFERSON DAVIS PARKWAY, ORLEANS, NEW ORLEANS, LA  
29 ° 57 ' 35.60 " N LAT. 90 ° 6 ' 12.60 " W LONG.

ANTENNA ID:	1	5 meters	AFC	5M.
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100805-01005 E E000607 FOX BROADCASTING COMPANY  
Renewal 09/19/2010 - 09/19/2025  
Grant of Authority Date Effective: 08/11/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 200 PAVILLION, OUACHITA, WEST MONROE, LA  
32 ° 30 ' 20.70 " N LAT. 92 ° 10 ' 37.00 " W LONG.

ANTENNA ID:	1	5 meters	AFC	5M
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100805-01006 E E000612 FOX BROADCASTING COMPANY  
Renewal 09/19/2010 - 09/19/2025  
Grant of Authority Date Effective: 08/11/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 1151 CRESTVIEW CIRCLE, LAUDERDALE, MERIDIAN, MS  
32 ° 19 ' 39.40 " N LAT. 88 ° 41 ' 31.90 " W LONG.



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ANTENNA ID:	1	5 meters	AFC	5 M.
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20100805-01007</b>	E E000613	FOX BROADCASTING COMPANY		
Renewal			09/19/2010 - 09/19/2025	
Grant of Authority			Date Effective:	08/11/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 1359 ROAD 681, LEE, TUPELO, MS  
34 ° 19 ' 25.30 " N LAT. 88 ° 42 ' 45.60 " W LONG.

ANTENNA ID:	1	5 meters	AFC	5 M
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20100805-01008</b>	E E000614	FOX BROADCASTING COMPANY		
Renewal			09/19/2010 - 09/19/2025	
Grant of Authority			Date Effective:	08/11/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 25 TV5 DRIVE, CLARK, HENDERSON, NV  
36 ° 4 ' 10.90 " N LAT. 115 ° 4 ' 6.00 " W LONG.

ANTENNA ID:	1	5 meters	AFC	5 M
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100805-01009 E E000616 FOX BROADCASTING COMPANY  
Renewal 09/19/2010 - 09/19/2025  
Grant of Authority Date Effective: 08/11/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 485 SOUTH HIGHLAND, SHELBY, MEMPHIS, TN  
35 ° 7 ' 5.80 " N LAT. 89 ° 56 ' 45.60 " W LONG.

ANTENNA ID:	1	5 meters	AFC	5 M.
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100805-01010 E E000617 FOX BROADCASTING COMPANY  
Renewal 09/19/2010 - 09/19/2025  
Grant of Authority Date Effective: 08/17/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 119 EAST 10TH STREET, TRAVIS, AUSTIN, TX  
30 ° 16 ' 15.80 " N LAT. 97 ° 44 ' 26.00 " W LONG.

ANTENNA ID:	1	5 meters	AFC	5 M.
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100805-01011 E E000618 FOX BROADCASTING COMPANY  
Renewal 09/19/2010 - 09/19/2025  
Grant of Authority Date Effective: 08/11/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 400 NORTH GRIFFIN STREET, DALLAS, DALLAS, TX  
32 ° 46 ' 58.50 " N LAT. 96 ° 48 ' 12.00 " W LONG.

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ANTENNA ID:	1	5 meters	AFC	5 M
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20100805-01012</b>	E	E000619	FOX BROADCASTING COMPANY	
Renewal				09/19/2010 - 09/19/2025
Grant of Authority				Date Effective: 08/11/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
 LOCATION: 1813 WESTLAKE AVENUE NORTH, KING, SEATTLE, WA  
 47 ° 38 ' 8.60 " N LAT. 122 ° 20 ' 27.50 " W LONG.

ANTENNA ID:	1	5 meters	AFC	5 M.
	3700.0000 - 4200.0000 MHz		36M0G7F	DIGITAL VIDEO
	3700.0000 - 4200.0000 MHz		36M0F8F	ANALOG VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20100811-01025</b>	E	E900888	Production & Satellite Services, Inc.	
Renewal				10/26/2010 - 10/26/2025
Grant of Authority				Date Effective: 08/11/2010

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 4415 WAGON TRAIL AVE, VARIOUS

ANTENNA ID:	1	2.4 meters	SATCOM TECHNOLOGIES	240KV
	14000.0000 - 14500.0000 MHz		30M0F3F	74.34 dBW
	14000.0000 - 14500.0000 MHz		36M0F8F	74.34 dBW
	14000.0000 - 14500.0000 MHz		8M30G7F	65.20 dBW
	14000.0000 - 14500.0000 MHz		4M30G7F	62.20 dBW

14000.0000 - 14500.0000 MHz	4M00G7F	62.20 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
14000.0000 - 14500.0000 MHz	36M0G7F	74.34 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
14000.0000 - 14500.0000 MHz	36M0F3F	74.34 dBW	ANALOG TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	30M0F3F		
11700.0000 - 12200.0000 MHz	4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	36M0G7F		DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	36M0F3F		ANALOG TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	36M0F8F		
11700.0000 - 12200.0000 MHz	8M30G7F		
11700.0000 - 12200.0000 MHz	4M30G7F		

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - ANIK -
- 1 - INTAOR - (AOR)
- 1 - MOR/SOL -
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-3R - (43.0 W.L.)
- 1 - PAS-4 - (191.0 W.L.)
- 1 - TELSTAR 11 - (37.5 W.L.)

**SES - RWL - 20100812 - 01026** E KL75 COXCOM, INC.

Renewal

09/15/2010 - 09/15/2025

Grant of Authority

Date Effective: 08/17/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: COCHISE, DOUGLAS, AZ

31 ° 20 ' 45.00 " N LAT.

109 ° 33 ' 7.00 " W LONG.

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ANTENNA ID: 1 5 meters AFC SATRO-5M  
3700.0000 - 4200.0000 MHz 36000F9

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100813-01027 E E900592 YOUNG BROADCASTING OF RICHMOND, INC.  
Renewal 09/14/2010 - 09/14/2025  
Grant of Authority Date Effective: 08/17/2010

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: 301 ARBORETUM PLACE, CHESTERFIELD, RICHMOND, VA  
37 ° 29 ' 36.00 " N LAT. 77 ° 33 ' 55.00 " W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC ATLANTA 8010  
3700.0000 - 4200.0000 MHz 36MOF3F

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100816-01037 E E900974 CAPITOL BROADCASTING COMPANY, INC.  
Renewal 11/09/2010 - 11/09/2025  
Grant of Authority Date Effective: 08/16/2010

**Class of Station:** Temporary Fixed Earth Station

**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1  
LOCATION: VARIOUS

ANTENNA ID: 1 2.4 meters RADIATION SYSTEM INC 240KV  
14000.0000 - 14500.0000 MHz 24M0F8W 74.20 dBW  
14000.0000 - 14500.0000 MHz 36M0F8W 74.20 dBW

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20100816-01052 E E900887 MICROSPACE COMMUNICATIONS CORPORATION  
Renewal 11/09/2010 - 11/09/2025  
Grant of Authority Date Effective: 08/16/2010

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 3100 HIGHWOODS BLVD., WAKE, RALEIGH, NC  
35 ° 49 ' 18.00 " N LAT. 78 ° 36 ' 24.00 " W LONG.

ANTENNA ID: 1 7 meters RADIATION SYSTEM,INC 700KS

14000.0000 - 14500.0000 MHz 36M0F3F 88.10 dBW

11700.0000 - 12200.0000 MHz 36M0F3F

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-STA-20100702-00862** E E070218 MTN License Corp.

Special Temporary Authority

Grant of Authority

Date Effective: 08/13/2010

**Class of Station:**

**Points of Communication:**

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**SES-STA-20100707-00870** E E900324 Texas A&M University

Special Temporary Authority

Grant of Authority

Date Effective: 08/17/2010

**Class of Station:**

Special temporary authority is GRANTED with condition for a period of 60 days beginning August 17, 2010 and ending October 15, 2010.

**Points of Communication:**

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**SES-STA-20100710-00896** E E100084 DATA TECHNOLOGY SOLUTIONS LLC

Special Temporary Authority

Grant of Authority

Date Effective: 08/17/2010

**Class of Station:**

Special temporary authority is GRANTED with conditions for a period of 180 days beginning September 1, 2010 and ending March 27, 2011.

**Points of Communication:**

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**SES-STA-20100729-00970** E WB36 Vizada, Inc.

Special Temporary Authority

Grant of Authority

Date Effective: 08/12/2010

**Class of Station:**

Extension of special temporary authority is GRANTED with conditions for an additional 60 days beginning August 9, 2010 and ending October 30, 2010.

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**Points of Communication:**

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SES-STA-20100813-01032 E E090050 Meredith Corporation - WGCL  
Special Temporary Authority  
Grant of Authority Date Effective: 08/16/2010

**Class of Station:**

"STA" granted for pending modification application SES-MOD-20100723-00946 to allow back-up link.

**Points of Communication:**

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SES-STA-20100816-01033 E E980250 EMERGING MARKETS COMMUNICATIONS, INC.  
Special Temporary Authority  
Grant of Authority Date Effective: 08/17/2010

**Class of Station:**

"STA" renewal granted for modification application SES-MOD-20100803-00978 for permanent authority to change remote control points .

**Points of Communication:**

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SES-STA-20100816-01034 E E980156 EMERGING MARKETS COMMUNICATIONS, INC.  
Special Temporary Authority  
Grant of Authority Date Effective: 08/17/2010

**Class of Station:**

"STA" renewal application granted for modification application SES-MOD-20100803-009977 for permanent authority to change remote control points.

**Points of Communication:**

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SES-STA-20100816-01035 E E000128 EMERGING MARKETS COMMUNICATIONS, INC.  
Special Temporary Authority  
Grant of Authority Date Effective: 08/17/2010

**Class of Station:**

Special Temporay Authority is GRANTED for a period of 60 days beginning August 20, 2010 and ending October 15, 2010.

**Points of Communication:**

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SES-STA-20100816-01036 E E000127 EMERGING MARKETS COMMUNICATIONS, INC.  
Special Temporary Authority  
Grant of Authority Date Effective: 08/17/2010

**Class of Station:**

Special Temporay Authority is GRANTED for a period of 60 days beginning August 20, 2010 and ending October 15, 2010.

**Points of Communication:**

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**SURRENDER**

**SES-LIC-20060719-01198**            E060134            ARIZONA PUBLIC SERVICE COMPANY

Licensee has surrendered license per letter dated August 2, 2010.

**SES-RWL-20010314-00498**            E3098            Cox Communications, Inc

Licensee has surrendered license per letter dated August 12, 2010.

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