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**SES-LIC-20091016-01334** E E090179 Globecomm Systems, Inc.  
Application for Authority  
Grant of Authority

11/23/2009 - 11/23/2024  
Date Effective: 11/23/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: 201 North Trinity Street, Mecklenburg, Charlotte, NC  
35 ° 12 ' 9.00 " N LAT. 80 ° 56 ' 6.00 " W LONG.

ANTENNA ID:	1	3.8 meters	Vertex	3.8 DPK/DPC
14000.0000 - 14500.0000 MHz		4M00G1F	69.50 dBW	QPSK Digital Phase Modulation
11700.0000 - 12200.0000 MHz		4M00G1F		QPSK Digital Phase Modulation
14000.0000 - 14500.0000 MHz		9M60G1F	55.30 dBW	QPSK Digital Phase Modulation
11700.0000 - 12200.0000 MHz		9M60G1F		QPSK Digital Phase Modulation

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-MOD-20090901-01113** E E060317 RIGNET SATCOM, INC.  
Application for Modification  
Grant of Authority

11/27/2006 - 11/27/2021  
Date Effective: 11/23/2009

**Class of Station:** VSAT Network

**Nature of Service:** Fixed Satellite Service

SITE ID: HUB 1  
LOCATION: 17625 TECHNOLOGY BLVD. (9.3M. HUB) E040414, WASHINGTON, HAGERSTOWN, MD  
39 ° 35 ' 56.60 " N LAT. 77 ° 45 ' 27.50 " W LONG.

ANTENNA ID:	9.3 KU	9.3 meters	VERTEX	9.3 KPK
14000.0000 - 14500.0000 MHz		36M0F3F	87.60 dBW	STANDARD VIDEO WITH ASSOCIATED AUDIO SUB-CARRIERS
14000.0000 - 14500.0000 MHz		43K0G7W	57.50 dBW	DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES AND TYPES OF INFORMATION
14000.0000 - 14500.0000 MHz		72M0G7W	89.20 dBW	DIGITAL TRAFFIC, VARIOUS FEC, DATA RATES AND TYPES OF INFORMATION
11700.0000 - 12200.0000 MHz		36M0F3F		STANDARD VIDEO WITH ASSOCIATED AUDIO SUB-CARRIERS



14000.0000 - 14500.0000 MHz	2M58G7D	61.00 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	4M92G7D	64.00 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	1M23G7D	60.00 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M46G7D	64.00 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	64K0G7D	60.60 dBW	DIGITAL DATA
11700.0000 - 12200.0000 MHz	3M69G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7D-		DIGITAL DATA
11700.0000 - 12200.0000 MHz	9M83G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M58G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	4M92G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	1M23G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M46G7D		DIGITAL DATA
11700.0000 - 12200.0000 MHz	64K0G7D		DIGITAL DATA

**Points of Communication:**

San Diego - ALSAT - (ALSAT)

San Diego - SATMEX-5 - (116.8 W.L.)

San Diego - SOLIDARIDAD F-2 - (113.0 W.L.)

**SES-MOD-20090924-01231** E E040269 DCI II, INC.

Application for Modification

08/03/2004 - 08/03/2019

Grant of Authority

Date Effective: 11/24/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 2000 M. STREET NW, WASHINGTON, DC

38 ° 54 ' 19.30 " N LAT.

77 ° 2 ' 42.60 " W LONG.

ANTENNA ID: 3.8M.PRO 3.8 meters PRODELIN 1383

14000.0000 - 14500.0000 MHz	16M0G7F	73.30 dBW	COMPRESSED DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	7M70G7F	70.30 dBW	COMPRESSED DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	24M0F3F	76.30 dBW	ANALOG VIDEO

14000.0000 - 14500.0000 MHz	36M0F3F	76.30 dBW	ANALOG VIDEO
11700.0000 - 12200.0000 MHz	16M0G7F		COMPRESSED DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	7M70G7F		COMPRESSED DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	24M0F3F		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	36M0F3F		ANALOG VIDEO
ANTENNA ID: 2.4M.COM	2.4 meters	COMTECH	847-337-G2
14000.0000 - 14500.0000 MHz	230KF9E	48.30 dBW	NULL
14000.0000 - 14500.0000 MHz	50K0F3E	45.70 dBW	NULL
14000.0000 - 14500.0000 MHz	50K0F3D	45.70 dBW	NULL
14000.0000 - 14500.0000 MHz	36M0F3F	74.30 dBW	NULL
14000.0000 - 14500.0000 MHz	24M0F3F	74.30 dBW	NULL
11700.0000 - 12200.0000 MHz	50K0F3E		NULL
11700.0000 - 12200.0000 MHz	36M0F3F		NULL
11700.0000 - 12200.0000 MHz	24M0F3F		NULL
11700.0000 - 12200.0000 MHz	230KF9E		NULL
ANTENNA ID: 4.6M. VER	4.6 meters	VERTEX	4.57KPK
14000.0000 - 14500.0000 MHz	50K0G2D	50.00 dBW	NULL
14000.0000 - 14500.0000 MHz	50K0F3E	50.00 dBW	NULL
14000.0000 - 14500.0000 MHz	36M0F3F	76.67 dBW	NULL
14000.0000 - 14500.0000 MHz	24M0F3F	76.67 dBW	NULL
11700.0000 - 12200.0000 MHz	50K0G2D		NULL
11700.0000 - 12200.0000 MHz	50K0F3E		NULL
11700.0000 - 12200.0000 MHz	36M0F3F		NULL
11700.0000 - 12200.0000 MHz	24M0F3F		NULL
ANTENNA ID: 3.8M.PRO2	3.8 meters	PRODELIN	1381
14000.0000 - 14500.0000 MHz	7M70G7F	70.30 dBW	NULL

14000.0000 - 14500.0000 MHz	36M0F3F	76.30 dBW	NULL
14000.0000 - 14500.0000 MHz	24M0F3F	76.30 dBW	NULL
14000.0000 - 14500.0000 MHz	16M0G7F	73.30 dBW	NULL
11700.0000 - 12200.0000 MHz	7M70G7F		NULL
11700.0000 - 12200.0000 MHz	36M0F3F		NULL
11700.0000 - 12200.0000 MHz	24M0F3F		NULL
11700.0000 - 12200.0000 MHz	16M0G7F		NULL

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-MOD-20090924-01232 E E880380 DCI II, INC. 08/02/2009 - 08/02/2024  
 Application for Modification  
 Grant of Authority Date Effective: 11/24/2009

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

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: VARIOUS

ANTENNA ID: 1	1.2 meters	SIERRACOM	2690-VPS
14000.0000 - 14500.0000 MHz	36M0F3F	67.67 dBW	
14000.0000 - 14500.0000 MHz	24M0F3F	67.67 dBW	
14000.0000 - 14500.0000 MHz	50K0F3E	38.40 dBW	
14000.0000 - 14500.0000 MHz	50K0G2D	38.40 dBW	
14000.0000 - 14500.0000 MHz	7M70G7F	62.20 dBW	

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20091116-01453 E KA272 SES Americom, Inc. 02/09/2010 - 02/09/2025  
 Renewal  
 Grant of Authority Date Effective: 11/23/2009

**Class of Station:** Fixed Earth Stations

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

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SITE ID: SOMIS 21M  
LOCATION: 5990 SOLANO VERDE DRIVE, VENTURA, SOMIS, CA  
34 ° 19 ' 31.00 " N LAT. 118 ° 59 ' 44.40 " W LONG.

ANTENNA ID:	21M	21 meters	Vertex	21KPC	
	6365.0000 - 6425.0000 MHz		30M0G7W	89.18 dBW	QPSK, Digital data, voice and video services
	6175.0000 - 6365.0000 MHz		30M0G7W	86.55 dBW	QPSK, Digital data, voice and video services
	5925.0000 - 6175.0000 MHz		30M0G7W	89.18 dBW	QPSK, Digital data, voice and video services
	3700.0000 - 4200.0000 MHz		30M0G7W		QPSK, Digital data, voice and video services

**Points of Communication:**

SOMIS 21M - ALSAT - (ALSAT)

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SES - RWL - 20091116 - 01454 E E900018 SES Americom, Inc.  
Renewal 02/02/2010 - 02/02/2025  
Grant of Authority Date Effective: 11/23/2009

**Class of Station:** VSAT Network

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

SITE ID: 1  
LOCATION: CONUS

ANTENNA ID:	1	2.4 meters	VERTEX	2.4 VSAT
	14000.0000 - 14500.0000 MHz		2K24F1D	49.50 dBW
	14000.0000 - 14500.0000 MHz		2K24Q1D	49.50 dBW
	11700.0000 - 12200.0000 MHz		1M03F1D	
	11700.0000 - 12200.0000 MHz		2K24F1D	
	11700.0000 - 12200.0000 MHz		2K24Q1D	

SITE ID: 1  
LOCATION: CONUS

ANTENNA ID:	1	2.4 meters	VERTEX	2.4 VSAT
	14000.0000 - 14500.0000 MHz		2K24F1D	49.50 dBW
	14000.0000 - 14500.0000 MHz		2K24Q1D	49.50 dBW

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11700.0000 - 12200.0000 MHz	1M03F1D
11700.0000 - 12200.0000 MHz	2K24F1D
11700.0000 - 12200.0000 MHz	2K24Q1D

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20091116-01455 E E900017 SES Americom, Inc. 02/02/2010 - 02/02/2025  
Renewal  
Grant of Authority Date Effective: 11/23/2009

**Class of Station:** VSAT Network

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

SITE ID: 1  
LOCATION: CONUS

ANTENNA ID: 1 1.8 meters VERTEX 1.8 VSAT

14000.0000 - 14500.0000 MHz	2K24F1D	47.00 dBW
14000.0000 - 14500.0000 MHz	2K24Q1D	47.00 dBW
11700.0000 - 12200.0000 MHz	1M03F1D	
11700.0000 - 12200.0000 MHz	2K24F1D	
11700.0000 - 12200.0000 MHz	2K24Q1D	

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20091116-01456 E E891041 SPACENET SERVICES LICENSE SUB, INC. 12/22/2009 - 12/22/2024  
Renewal  
Grant of Authority Date Effective: 11/23/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: CONUS

ANTENNA ID: 1 1.8 meters NEC

14000.0000 - 14500.0000 MHz	112KF7D	47.00 dBW
11700.0000 - 12200.0000 MHz	24MOFXF	



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11700.0000 - 12200.0000 MHz      1M29F7D  
11700.0000 - 12200.0000 MHz      775KF7D  
11700.0000 - 12200.0000 MHz      1M24F7D  
11700.0000 - 12200.0000 MHz      27MOF9F

ANTENNA ID:    2                      1.8 meters              PRODELIN                      1184

14000.0000 - 14500.0000 MHz      112KF7D              47.00 dBW  
11700.0000 - 12200.0000 MHz      24MOFXF  
11700.0000 - 12200.0000 MHz      1M29F7D  
11700.0000 - 12200.0000 MHz      775KF7D  
11700.0000 - 12200.0000 MHz      1M24F7D  
11700.0000 - 12200.0000 MHz      27MOF9F

ANTENNA ID:    3                      1.8 meters              ANDREW                      ESA18

14000.0000 - 14500.0000 MHz      112KF7D              47.00 dBW  
11700.0000 - 12200.0000 MHz      24MOFXF  
11700.0000 - 12200.0000 MHz      1M29F7D  
11700.0000 - 12200.0000 MHz      775KF7D  
11700.0000 - 12200.0000 MHz      1M24F7D  
11700.0000 - 12200.0000 MHz      27MOF9F

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES - RWL - 20091116 - 01458      E E900042      Michigan Technological Univeristy

Renewal

01/26/2010 - 01/26/2025

Grant of Authority

Date Effective:    11/23/2009

**Class of Station:**      Fixed Earth Stations

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

SITE ID:                      1

LOCATION:                    SHARON AVE. (BLDG. 24), HOUGHTON, HOUGHTON, MI

47 ° 6 ' 42.00 " N LAT.

88 ° 32 ' 48.00 " W LONG.

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ANTENNA ID:	1	7 meters	SCIENTIFIC ATLANTA	8010K
	14000.0000 - 14500.0000 MHz		32M0F8F	78.20 dBW
	14000.0000 - 14500.0000 MHz		25M0F8F	78.20 dBW
	11700.0000 - 12200.0000 MHz		32M0F8F	
	11700.0000 - 12200.0000 MHz		25M0F8F	

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20091116-01460</b>	E	E891043	SPACENET SERVICES LICENSE SUB, INC.
Renewal			12/22/2009 - 12/22/2024
Grant of Authority			Date Effective: 11/23/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: CONUS

ANTENNA ID:	1	3.5 meters	VERTEX	3.5KPK
	14000.0000 - 14500.0000 MHz		112KF7D	52.80 dBW
	11700.0000 - 12200.0000 MHz		24M0FXF	
	11700.0000 - 12200.0000 MHz		1M29F7D	
	11700.0000 - 12200.0000 MHz		775KF7D	
	11700.0000 - 12200.0000 MHz		1M24F7D	
	11700.0000 - 12200.0000 MHz		27M0F9F	

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20091116-01461</b>	E	E891044	SPACENET SERVICES LICENSE SUB, INC.
Renewal			12/22/2009 - 12/22/2024
Grant of Authority			Date Effective: 11/23/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: CONUS

ANTENNA ID:	1	3.7 meters	ANDREW	ESA37-124A
	14000.0000 - 14500.0000 MHz		112KF7D	52.80 dBW
	11700.0000 - 12200.0000 MHz		24MOFXF	
	11700.0000 - 12200.0000 MHz		1M29F7D	
	11700.0000 - 12200.0000 MHz		775KF7D	
	11700.0000 - 12200.0000 MHz		1M24F7D	
	11700.0000 - 12200.0000 MHz		27MOF9F	

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES - RWL - 20091116 - 01462</b>	E E990448	SPACENET SERVICES LICENSE SUB, INC.	
Renewal			12/30/2009 - 12/30/2024
Grant of Authority			Date Effective: 11/23/2009

**Class of Station:** VSAT Fixed Hub Station

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

SITE ID: HUB M2  
 LOCATION: 840 FRANKLIN COURT, COBB, MARIETTA, GA  
 33 ° 55 ' 40.00 " N LAT. 84 ° 29 ' 45.00 " W LONG.

ANTENNA ID:	6.1M	6.1 meters	SCIENTIFIC-ATLANTA	8060
	14000.0000 - 14500.0000 MHz		4M92G7W	58.30 dBW
	14000.0000 - 14500.0000 MHz		2M46G7W	55.30 dBW
	14000.0000 - 14500.0000 MHz		1M23G7W	52.30 dBW
	14000.0000 - 14500.0000 MHz		614KG7W	49.30 dBW
	14000.0000 - 14500.0000 MHz		307KG7W	46.30 dBW
	11700.0000 - 12200.0000 MHz		92K2G7W	MSK, DATA
	11700.0000 - 12200.0000 MHz		184KG7W	MSK, DATA
	11700.0000 - 12200.0000 MHz		369KG7W	MSK, DATA

ANTENNA ID:	8.1M	8.1 meters	VERTEX	8.1 KP
	14000.0000 - 14500.0000 MHz		4M92G7W	59.20 dBW
				BPSK, DATA

14000.0000 - 14500.0000 MHz	2M46G7W	56.20 dBW	BPSK, DATA
14000.0000 - 14500.0000 MHz	1M23G7W	53.20 dBW	BPSK, DATA
14000.0000 - 14500.0000 MHz	614KG7W	50.20 dBW	BPSK, DATA
14000.0000 - 14500.0000 MHz	307KG7W	47.20 dBW	BPSK, DATA
14000.0000 - 14500.0000 MHz	1M60G7D	53.00 dBW	1,024 KBPS, 1/2 RATE FEC, QPSK MODULATION, 1600 KHZ BANDWIDTH, DIGITAL DATA
11700.0000 - 12200.0000 MHz	92K2G7W		MSK, DATA
11700.0000 - 12200.0000 MHz	184KG7W		MSK, DATA
11700.0000 - 12200.0000 MHz	369KG7W		MSK, DATA

**Points of Communication:**

HUB M2 - ALSAT - (ALSAT)

HUB M2 - SATMEX-5 - (116.8 W.L.)

**SES-RWL-20091117-01465** E E990549 BAY CITY TELEVISION, INC.

Renewal

02/15/2010 - 02/15/2025

Grant of Authority

Date Effective: 11/23/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: VARIOUS

ANTENNA ID: 1 1.8 meters AVL TECHNOLOGIES 1.8SNG

14000.0000 - 14500.0000 MHz	25M0F3F	72.00 dBW	FREQUENCY MODULATED ANALOG TELEVISION
14000.0000 - 14500.0000 MHz	36M0F3F	72.00 dBW	FREQUENCY MODULATED ANALOG TELEVISION
14000.0000 - 14500.0000 MHz	7M00G7W	64.43 dBW	COMPRESSED DIGITAL TELEVISION
14000.0000 - 14500.0000 MHz	16M0G7W	68.00 dBW	COMPRESSED DIGITAL TELEVISION
14000.0000 - 14500.0000 MHz	36M0G7W	71.54 dBW	COMPRESSED DIGITAL TELEVISION
11700.0000 - 12200.0000 MHz	25M0F3F		FREQUENCY MODULATED ANALOG TELEVISION

11700.0000 - 12200.0000 MHz	36M0F3F	FREQUENCY MODULATED ANALOG TELEVISION
11700.0000 - 12200.0000 MHz	7M00G7W	COMPRESSED DIGITAL TELEVISION
11700.0000 - 12200.0000 MHz	16M0G7W	COMPRESSED DIGITAL TELEVISION
11700.0000 - 12200.0000 MHz	36M0G7W	COMPRESSED DIGITAL TELEVISION

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - ANIK E1 - (118.7 W.L.)
- 1 - ANIK E2 - (111.1 W.L.)
- 1 - SATMEX-5 - (116.8 W.L.)
- 1 - SOLIDARIDAD F-1 - (109.2 W.L.)
- 1 - SOLIDARIDAD F-2 - (113.0 W.L.)

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SES-RWL-20091117-01466 E KB97 Time Warner NY Cable LLC  
 Renewal 01/13/2010 - 01/13/2025  
 Grant of Authority Date Effective: 11/18/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
 LOCATION: EL CENTRO, CA  
 32 ° 51 ' 30.00 " N LAT. 115 ° 30 ' 47.00 " W LONG.

ANTENNA ID: 1 10 meters SCIENTIFIC ATLANTA 8003

3700.0000 - 4200.0000 MHz 36000F9

**Points of Communication:**

- 1 - ALSAT - (ALSAT)

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SES-RWL-20091117-01467 E KY61 Time Warner Entertainment - Advance/Newhouse Partnership  
 Renewal 01/14/2010 - 01/14/2025  
 Grant of Authority Date Effective: 11/18/2009

**Class of Station:** Fixed Earth Stations

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

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SITE ID: 1  
LOCATION: ALICE, TX  
27 ° 46 ' 16.00 " N LAT. 98 ° 7 ' 22.00 " W LONG.

ANTENNA ID: 1 5 meters COMTECH, 807-6-5M  
3700.0000 - 4200.0000 MHz 36000F9

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20091119-01479 E KV82 CableSouth Media III, LLC  
Renewal 10/29/2009 - 10/29/2024  
Grant of Authority Date Effective: 11/20/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: CONCORDIA PARIS, FERRIDAY, LA  
31 ° 35 ' 57.00 " N LAT. 91 ° 32 ' 10.00 " W LONG.

ANTENNA ID: 1 5 meters FTWT, FWT-5  
3700.0000 - 4200.0000 MHz 36000F9

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20091120-01483 E E990172 Satcom Systems, Incorporated  
Renewal 11/22/2009 - 11/22/2024  
Grant of Authority Date Effective: 11/23/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: 3530 BOMAR ROAD, DOUGLAS, DOUGLASVILLE, GA  
33 ° 42 ' 30.70 " N LAT. 84 ° 42 ' 23.90 " W LONG.

ANTENNA ID: 1 5.6 meters ANDREW G/T SERIES ESA5.6  
14000.0000 - 14500.0000 MHz 36M0F8F 84.78 dBW ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIE  
14000.0000 - 14500.0000 MHz 27M0F8F 84.78 dBW ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIE  
14000.0000 - 14500.0000 MHz 4M00G7F- 73.00 dBW DIGITAL VIDEO

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14000.0000 - 14500.0000 MHz	27M0G7F	81.30 dBW	DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	54K6G7W-	54.35 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	26M0G7W	81.13 dBW	DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIE
11700.0000 - 12200.0000 MHz	27M0F8F		ANALOG VIDEO W/ASSOC. AUDIO SUBCARRIE
11700.0000 - 12200.0000 MHz	4M00G7F-		DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	27M0G7F		DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	54K6G7W-		DIGITAL DATA
11700.0000 - 12200.0000 MHz	26M0G7W		DIGITAL DATA

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - ANIK E1 - (118.7 W.L.)
- 1 - ANIK E2 - (111.1 W.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-3R - (43.0 W.L.)
- 1 - SATMEX-5 - (116.8 W.L.)
- 1 - SOLIDARIDAD F-2 - (113.0 W.L.)
- 1 - TELSTAR 11 - (37.5 W.L.)

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**SES-RWL-20091120-01484**    E E980159    Satcom Systems, Incorporated  
Renewal  
Grant of Authority

11/30/2009 - 11/30/2024  
Date Effective:    11/23/2009

**Class of Station:**    Mobile Earth Station

**Nature of Service:**    Domestic Mobile-Satellite Service

SITE ID:    1  
LOCATION:    25,000 Full-duplex METs & "EMS" Half-duplex data METs, VARIOUS

ANTENNA ID:	A7	0.46 meters	WESTINGHOUSE / KVH SC Maritime	M-1015, D-100HF	
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz		5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
ANTENNA ID:	A8	0 meters	MITSUBISHI / MELCO Dome	AU200A, ST-111D	
	1646.5000 - 1660.0000 MHz		5K00G7W	15.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	15.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	15.00 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz		5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A9	0.6 meters	MITSUBISHI / MELCO Fixed Site	AU500A, ST-121	
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)



	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A10	0.35 meters	MITSUBISHI / MELCO Briefcase	ST151
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A11	0.25 meters	MITSUBISHI / MELCO Omniquest	ST251
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

1545.0000 - 1558.5000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1545.0000 - 1558.5000 MHz	5K00G7W			FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A12	0 meters	CAL / Calquest		CQ100
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1545.0000 - 1558.5000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1545.0000 - 1558.5000 MHz	5K00G7W			FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A13	0 meters	mitsubishi / MELCO Transportation Dome		AU400A
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1545.0000 - 1558.5000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1545.0000 - 1558.5000 MHz	5K00G7W			FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

ANTENNA ID:	D1	0 meters	WESTINGHOUSE / WEC Contour Dome	CD-JL01003	
	1646.5000 - 1660.0000 MHz		5K00G7D	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1646.5000 - 1660.0000 MHz		5K00G7D	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1545.0000 - 1558.5000 MHz		5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D2	0.415 meters	NARROWBAND / Narrowband Fixed Site	RST 2000	
	1646.5000 - 1660.0000 MHz		5K00G7D	13.80 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1646.5000 - 1660.0000 MHz		5K00G7D	13.80 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1545.0000 - 1558.5000 MHz		5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D3	0 meters	NARROWBAND / Narrowband Mobile	MDT 1000	
	1646.5000 - 1660.0000 MHz		5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1646.5000 - 1660.0000 MHz		5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1545.0000 - 1558.5000 MHz		5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID:	D4	0 meters	EATON / Eaton Mobile	SCM	
	1646.5000 - 1660.0000 MHz		5K00G7D	16.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)

1646.5000 - 1660.0000 MHz	5K00G7D	16.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
1545.0000 - 1558.5000 MHz	5K00G7D		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
ANTENNA ID: A22	0.3 meters	KVH TRACPHONE	AU900A, ST131
1646.5000 - 1660.0000 MHz	5K00G7W	11.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1646.5000 - 1660.0000 MHz	5K00G7W	11.00 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1646.5000 - 1660.0000 MHz	5K00G7W	11.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A23	0 meters	MITSUBISHI/MELCO MAST	AU110A, ST111
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps

ANTENNA ID:	A17	0.46 meters	WESTINGHOUSE/WEC M-1075 MARITIME	M-1075, D-100HF	
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1545.0000 - 1558.5000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz		5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A14	0.46 meters	mitsubishi/melco Ominquest Fixed	OQFAU, ST251	
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-DRd-data)
	1545.0000 - 1558.5000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)
	1545.0000 - 1558.5000 MHz		5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A15	0.85 meters	mitsubishi/melco Fixed	AU601B, ST221M	
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)

	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A18	0 meters	WESTINGHOUSE/WEC D DOME	CD-JL01003, D-1000H
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A19	0 meters	WEC D-1000MH MARITIME DOME	CDJL01003-G02
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)

	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A20	16.5 meters	MITSUBISHI/MELCO DOME	AU201A, ST-211D
	1646.5000 - 1660.0000 MHz	5K00G7W	15.00 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	15.00 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1646.5000 - 1660.0000 MHz	5K00G7W	15.00 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A21	0.6 meters	MITSUBISHI/MELCO Fixed	AU601A, ST-221
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A16	0.46 meters	EMS/GETS	0955-A-0100

1631.5000 - 1660.5000 MHz	5K00G7W	17.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1631.5000 - 1660.5000 MHz	5K00G7W	17.50 dBW		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1631.5000 - 1660.5000 MHz	5K00G7W	17.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1530.0000 - 1559.0000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1530.0000 - 1559.0000 MHz	5K00G7W			FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A1	0 meters		WESTINGHOUSE / WEC Mast	CD-JL01080, P-1000
1646.5000 - 1660.0000 MHz	5K00G7W	12.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
1646.5000 - 1660.0000 MHz	5K00G7W	12.50 dBW		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
1646.5000 - 1660.0000 MHz	5K00G7W	12.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1545.0000 - 1558.5000 MHz	5K00G7W			TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
1545.0000 - 1558.5000 MHz	5K00G7W			FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A2	0 meters		WESTINGHOUSE / WEC Contour Dome	CD-JL01003, D-1000
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW		TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW		Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)



	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
ANTENNA ID: A3	0.92 meters	WESTINGHOUSE / WEC Fixed Site (0.92m)		CD-JL01083, F-1000
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz	5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID: A4	0.76 meters	WESTINGHOUSE / WEC Fixed Site (0.76 m)		CK-JL01083, F-1000
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz	5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)

	1545.0000 - 1558.5000 MHz		5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	A5	0 meters	WESTINGHOUSE / WEC Maritime Contour Dome		CD-JL01003-G02
	1646.5000 - 1660.5000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz		5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
ANTENNA ID:	A6	1.2 meters	WESTINGHOUSE / WEC Mult. Fixed Site		F-1000MC
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-ST-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-SR-data)
	1646.5000 - 1660.0000 MHz		5K00G7W	16.50 dBW	FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
	1545.0000 - 1558.5000 MHz		5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (GC-S-data)
	1545.0000 - 1558.5000 MHz		5K00G7W		FDMA communications channels (voice or data) using differentially encoded QPSK at a transmission rate of 3375 bps
ANTENNA ID:	D5		EMS/Packet Data/half duplex		PDT-100, 10cm high

1646.5000 - 1660.5000 MHz	5K00G7W	11.50 dBW	TDMA signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DT-data)
1646.5000 - 1660.5000 MHz	5K00G7W	11.50 dBW	Slotted Aloha signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (MT-DRr-data or MT-Drd-data)
1545.0000 - 1559.0000 MHz	5K00G7W		TDM signaling channel using differentially encoded QPSK at a transmission rate of 3375 bps (DH-D-data)

**Points of Communication:**

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

**SES-STA-20091111-01449** E E920702 Lockheed Martin Corporation  
 Special Temporary Authority  
 Grant of Authority

Date Effective: 11/20/2009

**Class of Station:**

Special temporary authority is GRANTED with condition for a period of 30 days.

**Points of Communication:**

**Dismissal**

**SES-LFS-20090830-01092** E090153 Alpha-Broadcasting-Inc.

Alpha Broadcasting, Inc. earth station license application to operate in the fixed satellite service in the C and Ku band is dismissed as defective without prejudice to refiling, pursuant to Section 25.112(a)(1) of the Commission's rules. See DA 09-2464, rel November 24, 2009.

**SES-LIC-20090723-00906** E090130 Uplynx Inc.

Application is dismissed without prejudice as defective, see DA 09-2463, released November 24, 2009.

**SES-MOD-20090818-01024** E080145 HARRIS CORPORATION

Harris Corporation (Harris) modification application are dismissed without prejudice as defective, pursuant to Section 25.112 of the Commission's rules. See dismissal letter DA 09-2465, rel November 24, 2009.

**SES-REG-20090812-00996** E090142 NW Communications of Phoenix, Inc.

Application is dismissed without prejudice as defective, see DA 09-2466, released November 24, 2009.

**SES-REG-20090815-01005** E090147 NW Communications of Phoenix, Inc.

Application is dismissed without prejudice as defective, see DA 09-2467, released November 24, 2009.

**SES-STA-20091120-01485** E980159 Satcom Systems, Incorporated

STA application has been dismissed, underlying renewal application SES-RWL-20091120-01484 has been granted.

**SES-STA-20091120-01486** E990172 Satcom Systems, Incorporated

STA has been dismissed, underlying renewal application SES-RWL-20091120-01483 has been granted.

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