



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SES-01110

Wednesday February 4, 2009

## 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.

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SES-AMD-20070426-00517    E   E070006    Horizon Mobile Communications, Inc.  
Amendment  
Grant of Authority    Date Effective:    01/30/2009

**Class of Station:**    Mobile Earth Station

**Nature of Service:**    Mobile Satellite Service

SITE ID:    Various Mobile Units

LOCATION:

ANTENNA ID:	1	0.35 meters	Hughes Network Systems	HNS 9201
1626.5000 - 1660.5000 MHz	200KD7W	21.00 dBW	Voice and Data Services	
1525.0000 - 1559.0000 MHz	50K0D7W	0.00 dBW	Voice and Data Services	
1525.0000 - 1559.0000 MHz	12K5G7W	0.00 dBW	Voice and Data Services	
1626.5000 - 1660.5000 MHz	50K0D7W	21.00 dBW	Voice and Data Services	
1525.0000 - 1559.0000 MHz	200KD7W	0.00 dBW	Voice and Data Services	
ANTENNA ID:	2	0.21 meters	Thrane and Thrane	Explorer 500, 700
1626.5000 - 1660.5000 MHz	50K0D7W	16.10 dBW	Voice and Data Services	
1626.5000 - 1660.5000 MHz	200KD7W	16.10 dBW	Voice and Data Services	
1525.0000 - 1559.0000 MHz	50K0D7W	0.00 dBW	Voice and Data Services	
1525.0000 - 1559.0000 MHz	200KD7W	0.00 dBW	Voice and Data Services	
1525.0000 - 1559.0000 MHz	12K5G7W	0.00 dBW	Voice and Data Services	

ANTENNA ID: 3	0.125 meters	NERA	WorldPro 1000
1626.5000 - 1660.5000 MHz	25K0G7W	11.00 dBW	Voice and Data Services
1626.5000 - 1660.5000 MHz	200K0G7W	11.00 dBW	Voice and Data Services
1525.0000 - 1559.0000 MHz	50K0G7W	0.00 dBW	Voice and Data Services
1525.0000 - 1559.0000 MHz	200K0G7W	0.00 dBW	Voice and Data Services
1525.0000 - 1559.0000 MHz	12K5G7W	0.00 dBW	Voice and Data Services
ANTENNA ID: 4	0.2 meters	Add Value	Wideye Sabre I
1626.5000 - 1660.5000 MHz	25K0G7W	11.00 dBW	Voice and Data Services
1626.5000 - 1660.5000 MHz	200K0G7W	11.00 dBW	Voice and Data Services
1525.0000 - 1559.0000 MHz	50K0G7W	0.00 dBW	Voice and Data Services
1525.0000 - 1559.0000 MHz	200K0G7W	0.00 dBW	Voice and Data Services
1525.0000 - 1559.0000 MHz	12K5G7W	0.00 dBW	Voice and Data Services

**Points of Communication:**

Various Mobile Units - INMARSAT 4F2 - (52.75)

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**SES-AMD-20090127-00072** E E980017 ACN Financing, Inc.  
Amendment  
Grant of Authority Date Effective: 01/28/2009

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

**Nature of Service:** Fixed Satellite Service

See assignment application SES-ASG-20080924-01235 associated with this amendment.

**Points of Communication:**

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**SES-AMD-20090130-00103** E E950288 EchoStar Corporation  
Amendment  
Grant of Authority Date Effective: 01/30/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Other

EchoStar Corporation seeks to withdraw its request to operate its transmit/receive earth station with the EchoStar 8 satellite operating under Mexican authority at 77 W.L. No other changes are requested. See File No. SES-MFS-20080926-01243.

SITE ID: T3 and T4  
 LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY  
 41 ° 7 ' 56.00 " N LAT. 104 ° 44 ' 9.00 " W LONG.

ANTENNA ID:	1	13.2 meters	TIW	LMATT 13.2 KU
17798.4820 - 17798.5180 MHz		36K0G2D	63.00 dBW	BPSK IDENTIFICATION CODE
17790.0000 - 17800.0000 MHz		1M50G2D	87.40 dBW	COMMAND BEACON (TT&C)
17790.0000 - 17800.0000 MHz		800KG2D	84.67 dBW	TT&C
17310.0000 - 17790.0000 MHz		24M0G7W	87.40 dBW	DIGITAL VIDEO AND DATA
17308.2500 - 17308.7500 MHz		1M50G2D	87.40 dBW	COMMAND BEACON (TT&C)
17300.0000 - 17800.0000 MHz		24M0M1F	87.40 dBW	DIGITAL, COMPRESSED VIDEO
17300.0000 - 17310.0000 MHz		1M50G2D	87.40 dBW	COMMAND BEACON (TT&C)
17300.0000 - 17310.0000 MHz		800KG2D	84.67 dBW	TT&C
12698.3500 - 12698.6500 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12690.0000 - 12700.0000 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12690.0000 - 12700.0000 MHz		800KG2D		TT&C
12210.0000 - 12690.0000 MHz		24M0G7W		DIGITAL VIDEO AND DATA
12202.3500 - 12202.6500 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12200.3500 - 12200.6500 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12200.0000 - 12700.0000 MHz		24M0M1F		DIGITAL, COMPRESSED VIDEO
12200.0000 - 12210.0000 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12200.0000 - 12210.0000 MHz		800KG2D		TT&C

**Points of Communication:**

T3 and T4 - CIEL 2 - (128.85 W.L.)  
 T3 and T4 - ECHOSTAR 10 - (110 W.L.)  
 T3 and T4 - ECHOSTAR 11 - (110 W.L.)  
 T3 and T4 - ECHOSTAR 2 - (148 W.L.)

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T3 and T4 - ECHOSTAR 3 - (61.5 W.L.)

T3 and T4 - ECHOSTAR 4 - (77 W.L.)

T3 and T4 - ECHOSTAR 5 - (129 W.L.)

T3 and T4 - ECHOSTAR 6 - (72.7 W.L.)

T3 and T4 - ECHOSTAR 8 - (110 W.L.)

T3 and T4 - ECHOSTAR I - (148.0 W.L.)

T3 and T4 - RAINBOW1 - (61.5 W.L.)

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**SES-AMD-20090130-00104**      E    E970394      EchoStar Corporation

Amendment

Grant of Authority

Date Effective:    01/30/2009

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**      Other

EchoStar Corporation seeks to withdraw its request to operate its transmit/receive earth station with the EchoStar 8 satellite operating under Mexican authority at 77 W.L. No other changes are requested. See File No. SES-MFS-20080926-01244.

SITE ID:            GILBERT   #1

LOCATION:          801 NORTH AMERICAN SKY BLVD., MARICOPA, GILBERT, AZ

33 ° 21 ' 55.30 " N LAT.

111 ° 48 ' 49.70 " W LONG.

ANTENNA ID:	1	13 meters	VERTEX	13 KPK
17790.0000 - 17800.0000 MHz		800KG2D	72.30 dBW	TT&C
17310.0000 - 17790.0000 MHz		24M0G7W	87.08 dBW	DIGITAL VIDEO AND DATA
17307.5000 - 17308.5000 MHz		1M50G2D	75.00 dBW	TRACKING AND COMMAND BEACON (TT&C) FOR ECHOSTAR 4
17304.5000 - 17305.5000 MHz		1M50G2D	75.00 dBW	TRACKING AND COMMAND BEACON (TT&C) FOR ECHOSTAR 6
17301.0000 - 17302.0000 MHz		1M00G2D	73.20 dBW	TRACKING AND COMMAND BEACON (TT&C) FOR ECHOSTAR 3
17300.5000 - 17301.5000 MHz		1M50G2D	75.00 dBW	TRACKING AND COMMAND BEACON (TT&C) FOR ECHOSTAR 5
17300.0000 - 17800.0000 MHz		26M0G7D	87.40 dBW	FEEDERLINK
17300.0000 - 17800.0000 MHz		26M0G7F	87.40 dBW	FEEDERLINK
17300.0000 - 17310.0000 MHz		800KG2D	72.30 dBW	TT&C
12698.5000 - 12699.5000 MHz		1M00G2D	0.00 dBW	TT&C FOR ECHOSTAR 3

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12698.3500 - 12698.6500 MHz	300KG2D		TT&C FOR ECHOSTAR 4
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
12210.0000 - 12690.0000 MHz	24M0G7W		DIGITAL VIDEO AND DATA
12202.5000 - 12203.5000 MHz	1M00G2D		TT&C FOR ECHOSTAR 3
12202.3500 - 12202.6500 MHz	300KG2D		TT&C FOR ECHOSTAR 4
12200.5000 - 12201.5000 MHz	1M00G2D		TT&C FOR ECHOSTAR 3
12200.3500 - 12200.6500 MHz	300KG2D		TT&C FOR ECHOSTAR 4
12200.3500 - 12200.6500 MHz	300KG2D		TT&C FOR ECHOSTAR 4
12200.0000 - 12700.0000 MHz	1M50G2D	0.00 dBW	TT&C FOR ECHOSTAR 5 AND ECHOSTAR 6
12200.0000 - 12700.0000 MHz	26M0G7D		DBS
12200.0000 - 12700.0000 MHz	26M0G7F		DBS
12200.0000 - 12210.0000 MHz	800KG2D		TT&C

**Points of Communication:**

GILBERT #1 - CIEL 2 - (128.85 W.L.)

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

GILBERT #1 - ECHOSTAR 11 - (110 W.L.)

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

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

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

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

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

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

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

GILBERT #1 - RAINBOW1 - (61.5 W.L.)

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**SES-AMD-20090130-00105**      E E980178      EchoStar Corporation  
Amendment  
Grant of Authority

Date Effective:      01/30/2009

**Class of Station:**      Fixed Earth Stations

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**Nature of Service:** Other

EchoStar Corporation seeks to withdraw its request to operate its transmit/receive earth station with the EchoStar 8 satellite operating under Mexican authority at 77 W.L. No other changes are requested. See File No. SES-MFS-20080926-01245.

SITE ID: GILBERT #3

LOCATION: 801 NORTH DISH DRIVE, MARICOPA, GILBERT, AZ

33 ° 21 ' 56.50 " N LAT.

111 ° 48 ' 49.70 " W LONG.

ANTENNA ID:	1	13 meters	VERTEX	13 KPK
17790.0000 - 17800.0000 MHz		800KG2D	72.30 dBW	TT&C
17310.0000 - 17790.0000 MHz		24M0G7W	87.08 dBW	DIGITAL VIDEO AND DATA
17305.0000 - 17305.0000 MHz		900KF2D	72.80 dBW	TT&C CHANNEL
17301.0000 - 17301.0000 MHz		900KF2D	72.80 dBW	TT&C CHANNEL
17300.0000 - 17800.0000 MHz		26M0G7D	87.40 dBW	DIGITAL VIDEO, VOICE, DATA
17300.0000 - 17800.0000 MHz		26M0G7F	87.40 dBW	DIGITAL VIDEO, VOICE, DATA
17300.0000 - 17310.0000 MHz		800KG2D	72.30 dBW	TT&C
12690.0000 - 12700.0000 MHz		800KG2D		TT&C
12210.0000 - 12690.0000 MHz		24M0G7W		DIGITAL VIDEO AND DATA
12200.0000 - 12700.0000 MHz		26M0G7D		DIGITAL VIDEO, VOICE, DATA
12200.0000 - 12700.0000 MHz		26M0G7F		DIGITAL VIDEO, VOICE, DATA
12200.0000 - 12210.0000 MHz		800KG2D		TT&C

**Points of Communication:**

GILBERT #3 - CIEL 2 - (128.85 W.L.)

GILBERT #3 - ECHOSTAR 10 - (110 W.L.)

GILBERT #3 - ECHOSTAR 11 - (110 W.L.)

GILBERT #3 - ECHOSTAR 2 - (148 W.L.)

GILBERT #3 - ECHOSTAR 3 - (61.5 W.L.)

GILBERT #3 - ECHOSTAR 4 - (77 W.L.)

GILBERT #3 - ECHOSTAR 5 - (129 W.L.)

GILBERT #3 - ECHOSTAR 6 - (72.7 W.L.)

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GILBERT #3 - ECHOSTAR 7 - (119 W.L.)

GILBERT #3 - ECHOSTAR I - (148.0 W.L.)

GILBERT #3 - RAINBOW1 - (61.5 W.L.)

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**SES-ASG-20080924-01235** E E980017 ACN Financing, Inc.

Application for Consent to Assignment

Grant of Authority

Date Effective: 01/28/2009

**Current Licensee:** ACN Financing, Inc.

**FROM:** ACN FINANCING, INC.

**TO:** America's Collectible Network, Inc. d/b/a Jewelry Television

No. of Station(s) listed: 1

See amendment application SES-AMD-20090127-00072 associated with this assignment.

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**SES-LFS-20070109-00042** E E070006 Horizon Mobile Communications, Inc.

License to communicate with a Foreign Satellite

Grant of Authority

Date Effective: 01/30/2009

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

**SITE ID:** Various Mobile Units

**LOCATION:** 20,000 Inmarsat BGAN Full duplex METs in U.S.

ANTENNA ID:	HNS	0.35 meters	Hughes Network Systems	HNS 9201
1525.0000 - 1544.0000 MHz	12K5G7W	0.00 dBW		Voice and Data Services, QPSK ,Signaling
1525.0000 - 1544.0000 MHz	200KD7W	0.00 dBW		Voice and Data Services, 16-QAM , BGAN
1525.0000 - 1544.0000 MHz	50K0D7W	0.00 dBW		Voice and Data Services, 16-QAM, Signaling
1626.5000 - 1645.5000 MHz	200KD7W	21.00 dBW		Voice and Data Services, 16-QAM, BGAN
1646.5000 - 1660.5000 MHz	50K0D7W	21.00 dBW		Voice and Data Services, 16-QAM ,Signaling
1646.5000 - 1660.5000 MHz	200KD7W	21.00 dBW		Voice and Data Services, 16-QAM , BGAN
1545.0000 - 1559.0000 MHz	200KD7W			Voice and Data Services, 16-QAM , BGAN
1545.0000 - 1559.0000 MHz	12K5G7W			Voice and Data Services, QPSK ,Signaling
1626.5000 - 1645.5000 MHz	50K0D7W	21.00 dBW		Voice and Data Services, 16-QAM, Signaling

1545.0000 - 1559.0000 MHz		50K0D7W		Voice and Data Services, 16-QAM ,Signaling
ANTENNA ID:	T&T	0.21 meters	Thrane and Thrane	Explorer 500, 700
1525.0000 - 1544.0000 MHz		50K0D7W 0.00 dBW		Voice and Data Services, 16-QAM ,Signaling
1626.5000 - 1645.5000 MHz		200KD7W 16.10 dBW		Voice and Data Services, 16-QAM , BGAN
1545.0000 - 1559.0000 MHz		12K5G7W		Voice and Data Services, QPSK ,Signaling
1646.5000 - 1660.5000 MHz		200KD7W 16.10 dBW		Voice and Data Services, 16-QAM , BGAN
1545.0000 - 1559.0000 MHz		50K0D7W		Voice and Data Services, 16-QAM ,Signaling
1545.0000 - 1559.0000 MHz		200KD7W		Voice and Data Services, 16-QAM , BGAN
1525.0000 - 1544.0000 MHz		12K5G7W 0.00 dBW		Voice and Data Services, QPSK ,Signaling
1646.5000 - 1660.5000 MHz		50K0D7W 16.10 dBW		Voice and Data Services, 16-QAM ,Signaling
1626.5000 - 1645.5000 MHz		50K0D7W 16.10 dBW		Voice and Data Services, 16-QAM ,Signaling
1525.0000 - 1544.0000 MHz		200KD7W 0.00 dBW		Voice and Data Services, 16-QAM , BGAN
ANTENNA ID:	NERA	0.125 meters	NERA	WorldPro 1000
1525.0000 - 1544.0000 MHz		12K5G7W 0.00 dBW		Voice and Data Services, QPSK ,Signaling
1525.0000 - 1544.0000 MHz		200KG7W 0.00 dBW		Voice and Data Services, QPSK , BGAN
1626.5000 - 1645.5000 MHz		200KG7W 11.00 dBW		Voice and Data Services, pi/4 QPSK , BGAN
1626.5000 - 1645.5000 MHz		25K0G7W 11.00 dBW		Voice and Data Services, pi/4 QPSK ,Signaling
1646.5000 - 1660.5000 MHz		25K0G7W 11.00 dBW		Voice and Data Services, pi/4 QPSK ,Signaling
1646.5000 - 1660.5000 MHz		200KG7W 11.00 dBW		Voice and Data Services, pi/4 QPSK, BGAN
1545.0000 - 1559.0000 MHz		50K0G7W		Voice and Data Services, QPSK ,Signaling



1545.0000 - 1559.0000 MHz		200KG7W		Voice and Data Services, QPSK , BGAN
1525.0000 - 1544.0000 MHz		50K0G7W	0.00 dBW	Voice and Data Services, QPSK ,Signaling
1545.0000 - 1559.0000 MHz		12K5G7W		Voice and Data Services, QPSK, Signaling
ANTENNA ID:	AddValue	0.2 meters	Add Value	Wideye Sabre I
1525.0000 - 1544.0000 MHz		200KG7W	0.00 dBW	Voice and Data Services, QPSK , BGAN
1545.0000 - 1559.0000 MHz		50K0G7W	0.00 dBW	Voice and Data Services, QPSK ,Signaling
1626.5000 - 1645.5000 MHz		200KG7W	11.00 dBW	Voice and Data Services, pi/4 QPSK , BGAN
1626.5000 - 1645.5000 MHz		25K0G7W	11.00 dBW	Voice and Data Services, pi/4 QPSK ,Signaling
1646.5000 - 1660.5000 MHz		25K0G7W	11.00 dBW	Voice and Data Services, pi/4 QPSK ,Signaling
1646.5000 - 1660.5000 MHz		200KG7W	11.00 dBW	Voice and Data Services, pi/4 QPSK , BGAN
1525.0000 - 1544.0000 MHz		50K0G7W		Voice and Data Services, QPSK ,Signaling
1545.0000 - 1559.0000 MHz		200KG7W		Voice and Data Services, QPSK , BGAN
1525.0000 - 1544.0000 MHz		12K5G7W	0.00 dBW	Voice and Data Services, QPSK ,Signaling
1545.0000 - 1559.0000 MHz		12K5G7W		Voice and Data Services, QPSK ,Signaling

**Points of Communication:**

Various Mobile Units - INMARSAT 4F2 - (52.75)

Various Mobile Units - ISAT List -

<b>SES-LIC-20080926-01248</b>	E E080213	EchoStar Corporation	01/30/2009 - 01/30/2024
Application for Authority			Date Effective: 01/30/2009
Grant of Authority			

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service

**SITE ID:** New Braunfels

**LOCATION:** 710 Conrads Lane, Comal, New Braunfels, TX

29 ° 45 ' 35.80 " N LAT.

98 ° 3 ' 49.30 " W LONG.

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ANTENNA ID:	TXT7	13.2 meters	Vertex	13.2 meter
	12200.0000 - 12210.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry
	12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Compressed Digital Video and Data
	17300.0000 - 17310.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
	17300.0000 - 17310.0000 MHz	800KG2D	82.30 dBW	Telecommand
	17790.0000 - 17800.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
	17790.0000 - 17800.0000 MHz	800KG2D	82.30 dBW	Telecommand
	17310.0000 - 17790.0000 MHz	24M0G7W	86.90 dBW	Compressed Digital Video and Data
	12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry

ANTENNA ID:	TXT8	13.2 meters	Vertex	13.2
	17300.0000 - 17310.0000 MHz	800KG2D	82.30 dBW	Telecommand
	17790.0000 - 17800.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
	17790.0000 - 17800.0000 MHz	800KG2D	82.30 dBW	Telecommand
	12200.0000 - 12210.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones
	12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones
	12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry
	12690.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	Compressed Digital Video and Data
	17310.0000 - 17790.0000 MHz	24M0G7W	86.90 dBW	Compressed Digital Video and Data
	17300.0000 - 17310.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones

**Points of Communication:**

New Braunfels - CIEL 2 - (128.85 W.L.)

New Braunfels - EHOSTAR 10 - (110 W.L.)

New Braunfels - EHOSTAR 11 - (110 W.L.)

New Braunfels - EHOSTAR 3 - (61.5 W.L.)

New Braunfels - ECHOSTAR 4 - (77 W.L.)

New Braunfels - ECHOSTAR 5 - (129 W.L.)

New Braunfels - ECHOSTAR 6 - (72.7 W.L.)

New Braunfels - ECHOSTAR 7 - (119 W.L.)

New Braunfels - ECHOSTAR 8 - (110 W.L.)

New Braunfels - ECHOSTAR I - (148.0 W.L.)

New Braunfels - RAINBOW1 - (61.5 W.L.)

<b>SES-LIC-20080926-01249</b>	E E080214	EchoStar Corporation	01/30/2009 - 01/30/2024
Application for Authority			Date Effective: 01/30/2009
Grant of Authority			

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service

SITE ID: Mt. Jackson

LOCATION: 335 Dish Drive, Shenandoah, Quicksburg, VA

38 ° 43 ' 22.30 " N LAT. 78 ° 39 ' 59.90 " W LONG.

ANTENNA ID:	VAT6	13.2 meters	Vertex	13.2
12200.0000 - 12210.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones	
12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry	
12690.0000 - 12700.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones	
12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Compressed Digital Video and Data	
17300.0000 - 17310.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones	
17300.0000 - 17310.0000 MHz	800KG2D	82.30 dBW	Telecommand	
17310.0000 - 17790.0000 MHz	24M0G7W	86.90 dBW	Compressed Digital Video and Data	
17790.0000 - 17800.0000 MHz	800KG2D	82.30 dBW	Telecommand	
17790.0000 - 17800.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones	
12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry	
ANTENNA ID:	VAT7	13.2 meters	Vertex	13.2
12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry	
12690.0000 - 12700.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones	

12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry
17300.0000 - 17310.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
17300.0000 - 17310.0000 MHz	800KG2D	82.30 dBW	Telecommand
17790.0000 - 17800.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
17310.0000 - 17790.0000 MHz	24M0G7W	86.90 dBW	Compressed Digital Video and Data
17790.0000 - 17800.0000 MHz	800KG2D	82.30 dBW	Telecommand
12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Compressed Digital Video and Data
12200.0000 - 12210.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones

**Points of Communication:**

Mt. Jackson - CIEL 2 - (128.85 W.L.)

Mt. Jackson - ECHOSTAR 10 - (110 W.L.)

Mt. Jackson - ECHOSTAR 11 - (110 W.L.)

Mt. Jackson - ECHOSTAR 3 - (61.5 W.L.)

Mt. Jackson - ECHOSTAR 4 - (77 W.L.)

Mt. Jackson - ECHOSTAR 5 - (129 W.L.)

Mt. Jackson - ECHOSTAR 6 - (72.7 W.L.)

Mt. Jackson - ECHOSTAR 7 - (119 W.L.)

Mt. Jackson - ECHOSTAR 8 - (110 W.L.)

Mt. Jackson - ECHOSTAR I - (148.0 W.L.)

Mt. Jackson - RAINBOW1 - (61.5 W.L.)

**SES-LIC-20080926-01250**      E E080215      EchoStar Corporation

Application for Authority

01/30/2009 - 01/30/2024

Grant of Authority

Date Effective:      01/30/2009

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**      Direct Broadcast Satellite Service

SITE ID:      Monee

LOCATION:      6737 West Steger Road, Will, Monee, IL

41 ° 28 ' 6.50 " N LAT.

87 ° 46 ' 36.00 " W LONG.

ANTENNA ID:      ILT6      13.2 meters      Vertex      13.2

12200.0000 - 12210.0000 MHz      1M5F3D      0.00 dBW      Ranging Tones

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12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry
12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry
12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Compressed Digital Video and Data
17300.0000 - 17310.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
17790.0000 - 17800.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
17790.0000 - 17800.0000 MHz	800KG2D	82.30 dBW	Telecommand
17310.0000 - 17790.0000 MHz	24M0G7W	86.90 dBW	Compressed Digital Video and Data
17300.0000 - 17310.0000 MHz	800KG2D	82.30 dBW	Telecommand
12690.0000 - 12700.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones
ANTENNA ID: ILT8	13.2 meters	Vertex	13.2 Meter
12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry
12690.0000 - 12700.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones
12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry
12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Compressed Digital Video and Data
17300.0000 - 17310.0000 MHz	800KG2D	82.30 dBW	Telecommand
17790.0000 - 17800.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
17310.0000 - 17790.0000 MHz	24M0G7W	86.90 dBW	Compressed Digital Video and Data
17790.0000 - 17800.0000 MHz	800KG2D	82.30 dBW	Telecommand
17300.0000 - 17310.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones
12200.0000 - 12210.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones

**Points of Communication:**

Monee - CIEL 2 - (128.85 W.L.)

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

Monee - ECHOSTAR 11 - (110 W.L.)

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

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

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

Monee - EHOSTAR 6 - (72.7 W.L.)

Monee - EHOSTAR 7 - (119 W.L.)

Monee - EHOSTAR 8 - (110 W.L.)

Monee - EHOSTAR I - (148.0 W.L.)

Monee - RAINBOW1 - (61.5 W.L.)

**SES-LIC-20080926-01251**      E E080216      EchoStar Corporation

Application for Authority

01/30/2009 - 01/30/2024

Grant of Authority

Date Effective:      01/30/2009

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**      Direct Broadcast Satellite Service

SITE ID:      Spokane

LOCATION:      9815 West Hallett Road, Spokane, Spokane, WA

47 ° 35 ' 31.70 " N LAT.

117 ° 33 ' 4.20 " W LONG.

ANTENNA ID:	WAT7	13.2 meters	Vertex	13.2
12200.0000 - 12210.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones	
12200.0000 - 12210.0000 MHz	800KG2D	0.00 dBW	Telemetry	
12690.0000 - 12700.0000 MHz	1M5F3D	0.00 dBW	Ranging Tones	
17300.0000 - 17310.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones	
17300.0000 - 17310.0000 MHz	800KG2D	82.30 dBW	Telecommand	
17790.0000 - 17800.0000 MHz	1M5F3D	85.06 dBW	Ranging Tones	
17790.0000 - 17800.0000 MHz	800KG2D	82.30 dBW	Telecommand	
12690.0000 - 12700.0000 MHz	800KG2D	0.00 dBW	Telemetry	
17310.0000 - 17790.0000 MHz	24M0G7W	86.90 dBW	Compressed Digital Video and Data	
12210.0000 - 12690.0000 MHz	24M0G7W	0.00 dBW	Compressed Digital Video and Data	

**Points of Communication:**

Spokane - CIEL 2 - (128.85 W.L.)

Spokane - EHOSTAR 10 - (110 W.L.)

Spokane - EHOSTAR 11 - (110 W.L.)

Spokane - EHOSTAR 3 - (61.5 W.L.)

Spokane - EHOSTAR 4 - (77 W.L.)

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Spokane - EHOSTAR 5 - (129 W.L.)

Spokane - EHOSTAR 6 - (72.7 W.L.)

Spokane - EHOSTAR 7 - (119 W.L.)

Spokane - EHOSTAR 8 - (110 W.L.)

Spokane - EHOSTAR I - (148.0 W.L.)

Spokane - RAINBOW1 - (61.5 W.L.)

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**SES-LIC-20081215-01607**      E E080246      ITT CORPORATION

Application for Authority

01/29/2009 - 01/29/2024

Grant of Authority

Date Effective:      01/29/2009

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**      Fixed Satellite Service

SITE ID:      1

LOCATION:      10400 PHILIP PARKWAY BUILDING 81900, BREVARD, CAPE CANAVERAL AFB, FL  
28 ° 25 ' 42.00 " N LAT.      80 ° 35 ' 44.00 " W LONG.

ANTENNA ID:      3.8M.      3.8 meters      PATRIOT      380AZ

11700.0000 - 12200.0000 MHz      51K2G7W      DIGITAL TRAFFIC, VARIOUS DATA RATES, VARIOUS FEC, VARIOUS INFORMATION

11700.0000 - 12200.0000 MHz      4M00G7W      DIGITAL TRAFFIC, VARIOUS DATA RATES, VARIOUS FEC, VARIOUS INFORMATION

14000.0000 - 14500.0000 MHz      51K1G7W      43.17 dBW      DIGITAL TRAFFIC, VARIOUS DATA RATES, VARIOUS FEC, VARIOUS INFORMATION

14000.0000 - 14500.0000 MHz      4M00G7W      60.18 dBW      DIGITAL TRAFFIC, VARIOUS DATA RATES, VARIOUS FEC, VARIOUS INFORMATION

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20081217-01623**      E E080248      Thunderbird School of Global Management

**EZ**

Application for Authority

01/28/2009 - 01/28/2024

Grant of Authority

Date Effective:      01/28/2009

**Class of Station:**      Fixed Earth Stations

**Nature of Service:**      Fixed Satellite Service

SITE ID:      1

LOCATION:      1 Global Place, USA, Glendale, AZ  
33 ° 37 ' 18.34 " N LAT.      112 ° 10 ' 57.12 " W LONG.

ANTENNA ID:	1	2.4 meters	Patriot	TXINT-240KUSG
	14000.0000 - 14500.0000 MHz	6M00C3F	65.00 dBW	QPSK Digital video
<b>Points of Communication:</b>				
1 - PERMITTED LIST - ()				
<b>SES-LIC-20081222-01678</b>	E	E080250	VCY AMERICA INC.	
Application for Authority				01/29/2009 - 01/29/2024
Grant of Authority				Date Effective: 01/29/2009
<b>Class of Station:</b>	Fixed Earth Stations			
<b>Nature of Service:</b>	Fixed Satellite Service			
SITE ID:	1			
LOCATION:	2700 W. VLIET STREET, MILWAUKEE, MILWAUKEE, WI 43 ° 2 ' 57.00 " N LAT. 87 ° 56 ' 51.30 " W LONG.			
ANTENNA ID:	A1	4.1 meters	COMTECH ANT. SYSTEMS	"OFFSAT" "18FT."
	3700.0000 - 4200.0000 MHz	240KG7E		DIGITAL RADIO
	5925.0000 - 6425.0000 MHz	240KG7E	54.40 dBW	DIGITAL RADIO
<b>Points of Communication:</b>				
1 - ALSAT - (ALSAT)				
<b>SES-MFS-20080926-01242</b>	E	E050029	EchoStar Satellite Operating L.L.C.	
Modification				01/30/2009 - 01/30/2019
Grant of Authority				Date Effective: 01/30/2009
<b>Class of Station:</b>	Fixed Earth Stations			
<b>Nature of Service:</b>	Direct Broadcast Satellite Service			
SITE ID:	Multiple			
LOCATION:	CONUS 5,000,000 (0.45M antennas)			
ANTENNA ID:	0.45M	0.45 meters	Various - all using the following specs.	Various
	12200.0000 - 12700.0000 MHz	24M0G7W	0.00 dBW	DBS
<b>Points of Communication:</b>				
Multiple - CIEL 2 - (128.85 W.L)				
<b>SES-MFS-20080926-01243</b>	E	E950288	EchoStar Corporation	
Modification				10/27/2005 - 10/27/2020
Grant of Authority				Date Effective: 01/30/2009
<b>Class of Station:</b>	Fixed Earth Stations			



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**Nature of Service:** Direct Broadcast Satellite Service, Feeder Link for DBS in Fixed Satellite Service

SITE ID: T3 and T4

LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY

41 ° 7 ' 56.00 " N LAT.

104 ° 44 ' 9.00 " W LONG.

ANTENNA ID:	1	13.2 meters	TIW	LMATT 13.2 KU
17790.0000 - 17800.0000 MHz		1M50G2D	87.40 dBW	COMMAND BEACON (TT&C)
17308.2500 - 17308.7500 MHz		1M50G2D	87.40 dBW	COMMAND BEACON (TT&C)
17300.0000 - 17800.0000 MHz		24M0M1F	87.40 dBW	DIGITAL, COMPRESSED VIDEO
17300.0000 - 17310.0000 MHz		1M50G2D	87.40 dBW	COMMAND BEACON (TT&C)
12698.3500 - 12698.6500 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12690.0000 - 12700.0000 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12202.3500 - 12202.6500 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12200.3500 - 12200.6500 MHz		300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12200.0000 - 12700.0000 MHz		24M0M1F		DIGITAL, COMPRESSED VIDEO
12200.0000 - 12210.0000 MHz		300KG2D		TELEMETRY & TRACKING 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	84.67 dBW	TT&C
17790.0000 - 17800.0000 MHz		800KG2D	84.67 dBW	TT&C
12210.0000 - 12690.0000 MHz		24M0G7W		DIGITAL VIDEO AND DATA
17310.0000 - 17790.0000 MHz		24M0G7W	87.40 dBW	DIGITAL VIDEO AND DATA
17798.4820 - 17798.5180 MHz		36K0G2D	63.00 dBW	BPSK IDENTIFICATION CODE

**Points of Communication:**

T3 and T4 - CIEL 2 - (128.85 W.L.)

T3 and T4 - ECHOSTAR 10 - (110 W.L.)

T3 and T4 - ECHOSTAR 11 - (110 W.L.)

T3 and T4 - ECHOSTAR 2 - (148 W.L.)

T3 and T4 - ECHOSTAR 3 - (61.5 W.L.)

T3 and T4 - ECHOSTAR 4 - (77 W.L.)

T3 and T4 - ECHOSTAR 5 - (129 W.L.)

T3 and T4 - ECHOSTAR 6 - (72.7 W.L.)

T3 and T4 - ECHOSTAR 8 - (110 W.L.)

T3 and T4 - ECHOSTAR I - (148.0 W.L.)

T3 and T4 - RAINBOW1 - (61.5 W.L.)

**SES-MFS-20080926-01244** E E970394 EchoStar Corporation

Modification

03/06/2008 - 03/06/2023

Grant of Authority

Date Effective: 01/30/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Feeder Link for DBS in Fixed Satellite Service

**SITE ID:** GILBERT #1

**LOCATION:** 801 NORTH AMERICAN SKY BLVD., MARICOPA, GILBERT, AZ

33 ° 21 ' 55.30 " N LAT.

111 ° 48 ' 49.70 " W LONG.

**ANTENNA ID:** 1

13 meters

VERTEX

13 KPK

17307.5000 - 17308.5000 MHz

1M50G2D

75.00 dBW

TRACKING AND COMMAND  
BEACON (TT&C) FOR ECHOSTAR 4

17304.5000 - 17305.5000 MHz

1M50G2D

75.00 dBW

TRACKING AND COMMAND  
BEACON (TT&C) FOR ECHOSTAR 6

17301.0000 - 17302.0000 MHz

1M00G2D

73.20 dBW

TRACKING AND COMMAND  
BEACON (TT&C) FOR ECHOSTAR 3

17300.5000 - 17301.5000 MHz

1M50G2D

75.00 dBW

TRACKING AND COMMAND  
BEACON (TT&C) FOR ECHOSTAR 5

17300.0000 - 17800.0000 MHz

26M0G7D

87.40 dBW

FEEDERLINK

17300.0000 - 17800.0000 MHz

26M0G7F

87.40 dBW

FEEDERLINK

12698.5000 - 12699.5000 MHz

1M00G2D

0.00 dBW

TT&C FOR ECHOSTAR 3

12698.3500 - 12698.6500 MHz

300KG2D

TT&C FOR ECHOSTAR 4

12202.5000 - 12203.5000 MHz

1M00G2D

TT&C FOR ECHOSTAR 3

12202.3500 - 12202.6500 MHz

300KG2D

TT&C FOR ECHOSTAR 4

12200.5000 - 12201.5000 MHz

1M00G2D

TT&C FOR ECHOSTAR 3

12200.3500 - 12200.6500 MHz	300KG2D		TT&C FOR ECHOSTAR 4
12200.3500 - 12200.6500 MHz	300KG2D		TT&C FOR ECHOSTAR 4
12200.0000 - 12700.0000 MHz	1M50G2D	0.00 dBW	TT&C FOR ECHOSTAR 5 AND ECHOSTAR 6
12200.0000 - 12700.0000 MHz	26M0G7D		DBS
12200.0000 - 12700.0000 MHz	26M0G7F		DBS
12200.0000 - 12210.0000 MHz	800KG2D		TT&C
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
17300.0000 - 17310.0000 MHz	800KG2D	72.30 dBW	TT&C
17790.0000 - 17800.0000 MHz	800KG2D	72.30 dBW	TT&C
12210.0000 - 12690.0000 MHz	24M0G7W		DIGITAL VIDEO AND DATA
17310.0000 - 17790.0000 MHz	24M0G7W	87.08 dBW	DIGITAL VIDEO AND DATA

**Points of Communication:**

GILBERT #1 - CIEL 2 - (128.85 W.L.)

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

GILBERT #1 - ECHOSTAR 11 - (110 W.L.)

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

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

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

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

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

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

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

GILBERT #1 - RAINBOW1 - (61.5 W.L.)

**SES-MFS-20080926-01245** E E980178 EchoStar Corporation

Modification

05/29/2008 - 05/29/2023

Grant of Authority

Date Effective: 01/30/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Direct Broadcast Satellite Service, Domestic Fixed Satellite Service, Other

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SITE ID: GILBERT #3  
LOCATION: 801 NORTH DISH DRIVE, MARICOPA, GILBERT, AZ  
33 ° 21 ' 56.50 " N LAT. 111 ° 48 ' 49.70 " W LONG.

ANTENNA ID:	1	13 meters	VERTEX	13 KPK
	17305.0000 - 17305.0000 MHz	900KF2D	72.80 dBW	TT&C CHANNEL
	17301.0000 - 17301.0000 MHz	900KF2D	72.80 dBW	TT&C CHANNEL
	17300.0000 - 17800.0000 MHz	26M0G7D	87.40 dBW	DIGITAL VIDEO, VOICE, DATA
	17300.0000 - 17800.0000 MHz	26M0G7F	87.40 dBW	DIGITAL VIDEO, VOICE, DATA
	12200.0000 - 12700.0000 MHz	26M0G7D		DIGITAL VIDEO, VOICE, DATA
	12200.0000 - 12700.0000 MHz	26M0G7F		DIGITAL VIDEO, VOICE, DATA
	12200.0000 - 12210.0000 MHz	800KG2D		TT&C
	12690.0000 - 12700.0000 MHz	800KG2D		TT&C
	17300.0000 - 17310.0000 MHz	800KG2D	72.30 dBW	TT&C
	17790.0000 - 17800.0000 MHz	800KG2D	72.30 dBW	TT&C
	12210.0000 - 12690.0000 MHz	24M0G7W		DIGITAL VIDEO AND DATA
	17310.0000 - 17790.0000 MHz	24M0G7W	87.08 dBW	DIGITAL VIDEO AND DATA

**Points of Communication:**

GILBERT #3 - CIEL 2 - (128.85 W.L.)  
GILBERT #3 - ECHOSTAR 10 - (110 W.L.)  
GILBERT #3 - ECHOSTAR 11 - (110 W.L.)  
GILBERT #3 - ECHOSTAR 2 - (148 W.L.)  
GILBERT #3 - ECHOSTAR 3 - (61.5 W.L.)  
GILBERT #3 - ECHOSTAR 4 - (77 W.L.)  
GILBERT #3 - ECHOSTAR 5 - (129 W.L.)  
GILBERT #3 - ECHOSTAR 6 - (72.7 W.L.)  
GILBERT #3 - ECHOSTAR 7 - (119 W.L.)  
GILBERT #3 - ECHOSTAR I - (148.0 W.L.)  
GILBERT #3 - RAINBOW1 - (61.5 W.L.)

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**SES-MFS-20081031-01430**    E   E080162    SES Americom, Inc.

Modification

09/23/2008 - 09/23/2023

Grant of Authority

Date Effective:    01/30/2009

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**      Direct Broadcast Satellite Service

SITE ID:            VVES Ciel-2

LOCATION:          11 Edsall Drive, Sussex, Vernon, NJ

41 ° 12 ' 10.00 " N LAT.

74 ° 31 ' 39.00 " W LONG.

ANTENNA ID:    VVCiel-2            11 meters            Vertex/RSI            11.0KPK

17300.0000 - 17800.0000 MHz            1M00G7W            87.40 dBW            Digital; TT&C Operations

12200.0000 - 12700.0000 MHz            1M00G7W            Digital; TT&C Operations

**Points of Communication:**

VVES Ciel-2 - CIEL 2 - (128.85 W.L.)

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**SES-MOD-20081003-01290**    E   E020306    EchoStar Corporation

Application for Modification

02/03/2003 - 02/03/2018

Grant of Authority

Date Effective:    02/03/2009

**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
<b>Points of Communication:</b>			
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 - (110 W.L.)			
GD2 - ECHOSTAR I - (148.0 W.L.)			
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<b>SES-MOD-20081003-01291</b>	E E980142	EchoStar Corporation	
Application for Modification			05/22/2008 - 05/22/2023
Grant of Authority			Date Effective: 02/03/2009
<b>Class of Station:</b>	Fixed Earth Stations		
<b>Nature of Service:</b>	Direct Broadcast Satellite Service		
SITE ID:	1		
LOCATION:	530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY 41 ° 7 ' 56.60 " N LAT. 104 ° 44 ' 15.60 " W LONG.		
ANTENNA ID:	1	13.2 meters TIW	13.2 METER
17308.2500 - 17309.7500 MHz	1M50G2D	87.40 dBW	COMMAND BEACON (TT&C)
17300.0000 - 17800.0000 MHz	24M0G1W	85.00 dBW	DIGITAL VIDEO, FEC 3/4, feederlink for DBS
12698.3500 - 12698.6500 MHz	300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12202.3500 - 12202.6500 MHz	300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12200.3500 - 12200.6500 MHz	300KG2D		TELEMETRY & TRACKING BEACON (TT&C)
12200.0000 - 12700.0000 MHz	24M0G1W		DIGITAL VIDEO, FEC 3/4 (DBS)

12200.0000 - 12210.0000 MHz	800KG2D		TT&C
12690.0000 - 12700.0000 MHz	800KG2D		TT&C
17300.0000 - 17310.0000 MHz	800KG2D	70.23 dBW	TT&C
17790.0000 - 17800.0000 MHz	800KG2D	70.23 dBW	TT&C
17300.0000 - 17800.0000 MHz	24M0G7W	85.00 dBW	DIGITAL VIDEO AND DATA

**Points of Communication:**

- 1 - ECHOSTAR 10 - (110 W.L.)
- 1 - ECHOSTAR 2 - (119 W.L.)
- 1 - ECHOSTAR 2 - (148 W.L.)
- 1 - ECHOSTAR 3 - (61.5 W.L.)
- 1 - ECHOSTAR 4 - (157 W.L.)
- 1 - ECHOSTAR 4 - (77 W.L.)
- 1 - ECHOSTAR 5 - (129 W.L.)
- 1 - ECHOSTAR 5 - (148 W.L.)
- 1 - ECHOSTAR 6 - (110 W.L.)
- 1 - ECHOSTAR 7 - (119 W.L.)
- 1 - ECHOSTAR 8 - (110 W.L.)
- 1 - ECHOSTAR I - (148.0 W.L.)
- 1 - RAINBOW1 - (61.5 W.L.)

**SES-MOD-20081003-01297**    E   E980143    EchoStar Corporation

Application for Modification

06/10/2008 - 06/10/2023

Grant of Authority

Date Effective:    02/03/2009

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**       Direct Broadcast Satellite Service

SITE ID:                    1

LOCATION:                  530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY

41 ° 7 ' 57.50 " N LAT.

104 ° 44 ' 14.30 " W LONG.

ANTENNA ID:    1                    13.2 meters        TIW                    13.2 METER

17308.2500 - 17309.7500 MHz        1M50G2D        87.40 dBW        COMMAND BEACON (TT&C)

17300.0000 - 17800.0000 MHz        24M0M1F        85.00 dBW        DIGITAL VIDEO (DBS)

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12698.3500 - 12698.6500 MHz	300KG2D			
12202.3500 - 12202.6500 MHz	300KG2D			
12200.3500 - 12200.6500 MHz	300KG2D			
17300.0000 - 17310.0000 MHz	800KG2D	70.23 dBW	TT&C	
17790.0000 - 17800.0000 MHz	800KG2D	70.23 dBW	TT&C	
17300.0000 - 17800.0000 MHz	24M0G7W	85.00 dBW	DIGITAL, VIDEO AND DATA	
12200.0000 - 12210.0000 MHz	800KG2D		TT&C	
12690.0000 - 12700.0000 MHz	800KG2D		TT&C	

**Points of Communication:**

1 - ECHOSTAR 2 - (118.8 W.L.)

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

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

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

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

1 - ECHOSTAR-4 - (119 W.L.)

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<b>SES-RWL-20081103-01440</b>	E E980224	ACME Television Productions, LLC	11/06/2008 - 11/06/2023
Renewal			Date Effective: 01/30/2009
Grant of Authority			

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

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

SITE ID: 1  
LOCATION: VARIOUS

ANTENNA ID: 1	4.1 meters	COMTECH	OFFSAT
5925.0000 - 6425.0000 MHz	36M0F3F	72.40 dBW	ANALOG TV WITH ASSOCIATED AUDIO SERVICE

**Points of Communication:**

1 - ALSAT - (ALSAT)

1 - ANIK E2 - (111.1 W.L.)

1 - MORELOS-2 - (116.8 W.L.)

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



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1 - PAS-9 - (58.0 W.L.)

1 - SOLIDARIDAD F-1 - (109.2 W.L.)

1 - SOLIDARIDAD F-2 - (113.0 W.L.)

1 - TDRS-6 - (47.0 W.L.)

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**SES-RWL-20081124-01509**      E   E050029      EchoStar Satellite Operating L.L.C.

Renewal

12/31/2008 - 12/31/2023

Grant of Authority

Date Effective:      01/30/2009

**Class of Station:**

**Nature of Service:**      Direct Broadcast Satellite Service

SITE ID:      Multiple

LOCATION:      CONUS 1,000,000 (0.55M antennas)

ANTENNA ID:      0.55M      0.55 meters      Various - all using the following specs.      Various

12200.0000 - 12700.0000 MHz      24M0G7W      0.00 dBW      TT&C

12200.0000 - 12700.0000 MHz      24M0G7W      0.00 dBW      TT&C

**Points of Communication:**

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

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**SES-RWL-20090127-00071**      E   E990118      Capital Community Broadcasting, Inc.

Renewal

03/24/2009 - 03/24/2024

Grant of Authority

Date Effective:      01/29/2009

**Class of Station:**      Fixed Earth Stations

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

SITE ID:      1

LOCATION:      360 EGAN DRIVE, JUNEAU, AK

58 ° 17 ' 56.00 " N LAT.

134 ° 24 ' 7.00 " W LONG.

ANTENNA ID:      1      4.5 meters      SCIENTIFIC-ATLANTA      8345

3700.0000 - 4200.0000 MHz      154KG7D      DATA, BPSK, FEC 1/2

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20090128-00078**      E   E990022      CAPITOL BROADCASTING COMPANY, INC.

Renewal

03/01/2009 - 03/01/2024

Grant of Authority

Date Effective:      01/29/2009

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

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

SITE ID: 1

LOCATION: 2619 WESTERN BOULEVARD, WAKE, RALEIGH, NC

ANTENNA ID:	1	2.4 meters	ANDREW CORPORATION	ESA24SNG-LTE
14000.0000 - 14500.0000 MHz	36M0F9W	76.00 dBW	ANALOG TV FM MODULATION FULL TRANS.	
14000.0000 - 14500.0000 MHz	24M0F9W	73.00 dBW	ANALOG TV FM MODULATION HALF TRANS.	
14000.0000 - 14500.0000 MHz	24M0G7E	65.10 dBW	DIGITAL COMPRESSED TV	
11700.0000 - 12200.0000 MHz				

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20090129-00088</b>	E	KA275	Intelsat North America LLC	
Renewal				03/31/2009 - 03/31/2024
Grant of Authority				Date Effective: 02/02/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: 22021 COMSAT DRIVE, MONTGOMERY, CLARKSBURG, MD  
39 ° 13 ' 7.00 " N LAT. 77 ° 16 ' 12.00 " W LONG.

ANTENNA ID:	C-FPA	19 meters	TIW (VERTEX)	CFPA 19M
6389.0000 - 6391.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL	
6359.0000 - 6361.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL	
6329.0000 - 6331.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL	
6271.0000 - 6273.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL	
6217.0000 - 6219.0000 MHz	800KGXD	82.10 dBW	TELEMETRY SIGNAL	
6172.0000 - 6178.0000 MHz	800KFXD	93.00 dBW	TTC&M	
6172.0000 - 6178.0000 MHz	800KFXD	93.00 dBW	COMMAND/RANGING	
6135.0000 - 6137.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL	
6078.0000 - 6080.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL	

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5961.0000 - 5963.0000 MHz	800KGXD	90.00 dBW	TELEMETRY SIGNAL
5925.0000 - 6425.0000 MHz	1M50F3X	85.74 dBW	TTC&M
5925.0000 - 6425.0000 MHz	800KFXD	93.00 dBW	TTC&M COMMAND AND RANGING CARRIER
5850.0000 - 5925.0000 MHz	800KGXD	90.00 dBW	TTC&M
3700.0000 - 4200.0000 MHz	800KFXD		TTC&M
3700.0000 - 4200.0000 MHz	800KGXD		TTC&M
3700.0000 - 4200.0000 MHz	800KFXD		TELEMETRY/RANGING
3700.0000 - 4200.0000 MHz	1M50F3X		TTC&M
3625.0000 - 3700.0000 MHz	1M50F3X		TTC&M
3625.0000 - 3700.0000 MHz	800KGXD		TTC&M
3625.0000 - 3700.0000 MHz	800KFXD		TTC&M COMMAND AND RANGING CARRIER

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
  - 1 - INTELSAT 805 - (304.5 E.L.)
  - 1 - INTELSAT AOR - (307.0 E.L.)
  - 1 - INTELSAT AOR - (310.0 E.L.)
  - 1 - INTELSAT AOR - (325.5 E.L.)
  - 1 - INTELSAT AOR - (328.5 E.L.)
  - 1 - INTELSAT AOR - (330.5 E.L.)
  - 1 - INTELSAT AOR - (332.5 E.L.)
  - 1 - INTELSAT AOR - (335.5 E.L.)
  - 1 - INTELSAT AOR - (340.0 E.L.)
  - 1 - INTELSAT AOR - (342.0 E.L.)
  - 1 - New Skies 806 - (319.5 E.L.)
  - 1 - NSS-5 - (183 E.L.)
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<b>SES-RWL-20090129-00089</b>	E KA264	Intelsat North America LLC	
Renewal			03/31/2009 - 03/31/2024
Grant of Authority			Date Effective: 02/02/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: COMSAT CLARKSBURG, MONTGOMERY, CLARKSBURG, MD  
 39 ° 13 ' 5.20 " N LAT. 77 ° 16 ' 13.90 " W LONG.

ANTENNA ID:	C-CCA-2	9 meters	VERTEX	9KPC	
6179.0000 - 6425.0000 MHz			800KGXD	80.03 dBW	TELEMETRY/TTC&M
6179.0000 - 6425.0000 MHz			1M50F3X	75.90 dBW	TEST/TTC&M
6179.0000 - 6425.0000 MHz			100KG7W-	64.20 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
6179.0000 - 6425.0000 MHz			72M0G7W	80.03 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
6172.0000 - 6178.0000 MHz			800KFXD	73.20 dBW	COMMAND/TTC&M
6172.0000 - 6178.0000 MHz			100KG7W-	64.20 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
6172.0000 - 6178.0000 MHz			6M00G7W	80.03 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
5925.0000 - 6425.0000 MHz			800KFXD	80.00 dBW	COMMAND AND RANGING CARRIERS
5925.0000 - 6171.0000 MHz			1M50F3X	75.90 dBW	TEST/TTC&M
5925.0000 - 6171.0000 MHz			800KGXD	73.20 dBW	TELEMETRY/TTC&M
5850.0000 - 6171.0000 MHz			100KG7W-	64.20 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
5850.0000 - 6171.0000 MHz			72M0G7W	82.00 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
5850.0000 - 5925.0000 MHz			600KF2D	72.00 dBW	CONTROL COORDINATION SIGNAL
3700.0000 - 4200.0000 MHz			800KFXD		COMMAND/TTC&M
3700.0000 - 4200.0000 MHz			1M50F3X		TEST/TTC&M
3700.0000 - 4200.0000 MHz			800KGXD		TELEMETRY/TTC&M
3700.0000 - 4200.0000 MHz			800KFXD		TELEMETRY CARRIERS

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3625.0000 - 4200.0000 MHz	100KG7W-	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
3625.0000 - 4200.0000 MHz	72M0G7W	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
3625.0000 - 3700.0000 MHz	600KF2D	CONTROL COORDINATION SIGNAL

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - IA-8 - (89 W.L.)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AMERICAS 5 - (97 W.L.)
- 1 - INTELSAT AMERICAS-13 - (121 W.L.)
- 1 - INTELSAT AMERICAS-6 - (93 W.L.)
- 1 - INTELSAT AMERICAS-7 - (129 W.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - INTELSAT AOR - (340.0 E.L.)
- 1 - INTELSAT AOR - (342.0 E.L.)
- 1 - New Skies 806 - (319.5 E.L.)
- 1 - NSS-5 - (183 E.L.)

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<b>SES-RWL-20090129-00090</b>	E KA263	Intelsat North America LLC	03/31/2009 - 03/31/2024
Renewal			Date Effective: 02/02/2009
Grant of Authority			

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: 22021 COMSAT DRIVE, MONTGOMERY, CLARKSBURG, MD  
39 ° 13 ' 4.40 " N LAT. 77 ° 16 ' 13.90 " W LONG.

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ANTENNA ID:	1	9 meters	VERTEX	9KPC
	5925.0000 - 6425.0000 MHz	600KF2D	72.00 dBW	TTC&M
	5925.0000 - 6425.0000 MHz	922KG7W	63.60 dBW	DIGITAL DATA
	5925.0000 - 6425.0000 MHz	1M43G7W	66.00 dBW	DIGITAL DATA
	5925.0000 - 6425.0000 MHz	800KFXD	80.00 dBW	COMMAND AND RANGING CARRIERS
	5850.0000 - 6425.0000 MHz	100KG7W-	64.20 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
	5850.0000 - 6425.0000 MHz	72M0G7W	82.00 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
	5850.0000 - 6300.0000 MHz	3M50Q2D	72.00 dBW	QPSK, TDMA (BROADBAND VSAT SERVICES)
	5850.0000 - 5925.0000 MHz	600KF2D	72.00 dBW	TTC&M
	3700.0000 - 4200.0000 MHz	600KF2D		TTC&M
	3700.0000 - 4200.0000 MHz	922KG7W		DIGITAL DATA
	3700.0000 - 4200.0000 MHz	1M43G7W		DIGITAL DATA
	3700.0000 - 4200.0000 MHz	800KFXD		TELEMETRY CARRIERS
	3625.0000 - 4200.0000 MHz	100KG7W-		ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
	3625.0000 - 4200.0000 MHz	72M0G7W		ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
	3625.0000 - 4075.0000 MHz	3M50Q2D		QPSK, TDMA (BROADBAND VSAT SERVICES)
	3625.0000 - 3700.0000 MHz	600KF2D		TTC&M

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - IA-8 - (89 W.L.)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AMERICAS 5 - (97 W.L.)
- 1 - INTELSAT AMERICAS-13 - (121 W.L.)
- 1 - INTELSAT AMERICAS-6 - (93 W.L.)

1 - INTELSAT AMERICAS-7 - (129 W.L.)

1 - INTELSAT AOR - (307.0 E.L.)

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

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

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

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

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

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

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

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

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

1 - NSS-5 - (183 E.L.)

**SES-RWL-20090129-00091** E KA262 Intelsat North America LLC

Renewal

03/31/2009 - 03/31/2024

Grant of Authority

Date Effective: 02/02/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: 22021 COMSAT DRIVE, MONTGOMERY, CLARKSBURG, MD

39 ° 13 ' 1.80 " N LAT.

77 ° 16 ' 11.40 " W LONG.

ANTENNA ID: CSM LMA-2 15.2 meters VERTEX 15.2 KPC

6172.0000 - 6178.0000 MHz 800KFXD 82.00 dBW TTC&M

5925.0000 - 6425.0000 MHz 60M0G1D 86.00 dBW TTC&M

5925.0000 - 6425.0000 MHz 100KG7W- 58.20 dBW ANALOG AND DIGITAL DATA, VOICE, AND VIDEO

5925.0000 - 6425.0000 MHz 72M0G7W 86.80 dBW ANALOG AND DIGITAL DATA, VOICE, AND VIDEO

5925.0000 - 6425.0000 MHz 81K9G7W 46.00 dBW DIGITAL DATA

5925.0000 - 6425.0000 MHz 164KG7W 51.20 dBW DIGITAL DATA

5925.0000 - 6425.0000 MHz 219KG7W 52.10 dBW DIGITAL DATA

5925.0000 - 6425.0000 MHz 238KG7W 48.60 dBW DIGITAL DATA

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5925.0000 - 6425.0000 MHz	1M32G7W	63.10 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	1M36G7W	66.30 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	36M0G7W	79.60 dBW	DIGITAL VIDEO AND AUDIO
5850.0000 - 5925.0000 MHz	60M0G1D	84.10 dBW	TTC&M
5850.0000 - 5925.0000 MHz	100KG7W-	56.30 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
5850.0000 - 5925.0000 MHz	72M0G7W	84.90 dBW	ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
3700.0000 - 4200.0000 MHz	800KFXD		TTC&M
3700.0000 - 4200.0000 MHz	100KG7W-		ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
3700.0000 - 4200.0000 MHz	81K9G7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	164KG7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	219KG7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	238KG7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	1M32G7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	1M36G7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	36M0G7W		DIGITAL VIDEO AND AUDIO
3625.0000 - 4200.0000 MHz	60M0G1D		TTC&M
3625.0000 - 3700.0000 MHz	100KG7W-		ANALOG AND DIGITAL DATA, VOICE, AND VIDEO
3625.0000 - 3700.0000 MHz	72M0G7W		ANALOG AND DIGITAL DATA, VOICE, AND VIDEO

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)



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

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

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

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

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

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

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

1 - NSS-5 - (183 E.L.)

**SES-RWL-20090129-00092** E KA261 Intelsat North America LLC

Renewal

03/31/2009 - 03/31/2024

Grant of Authority

Date Effective: 02/02/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: 22021 COMSAT DRIVE, MONTGOMERY, CLARKSBURG, MD

39 ° 13 ' 2.60 " N LAT.

77 ° 16 ' 10.90 " W LONG.

ANTENNA ID:	CSM LMA-1	15.2 meters	VERTEX	15.2KPC
6172.0000 - 6178.0000 MHz		800KFXD	82.00 dBW	TTC&M
5925.0000 - 6425.0000 MHz		51K2G7W	49.60 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz		76K8G7W	49.60 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz		100KG7W-	58.20 dBW	DIGITAL DATA, VOICE, AND VIDEO
5925.0000 - 6425.0000 MHz		72M0G7W	86.80 dBW	DIGITAL DATA, VOICE, AND VIDEO
5925.0000 - 6425.0000 MHz		60M0G1D	86.00 dBW	TTC&M
5850.0000 - 5925.0000 MHz		60M0G1D	86.00 dBW	TTC&M
5850.0000 - 5925.0000 MHz		100KG7W-	58.20 dBW	DIGITAL DATA, VOICE, AND VIDEO
5850.0000 - 5925.0000 MHz		72M0G7W	86.80 dBW	DIGITAL DATA, VOICE, AND VIDEO
3700.0000 - 4200.0000 MHz		800KFXD		TTC&M
3700.0000 - 4200.0000 MHz		60M0G1D		TTC&M
3700.0000 - 4200.0000 MHz		51K2G7W		DIGITAL DATA

3700.0000 - 4200.0000 MHz	76K8G7W	DIGITAL DATA
3700.0000 - 4200.0000 MHz	100KG7W-	DIGITAL DATA, VOICE, AND VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W	DIGITAL DATA, VOICE, AND VIDEO
3625.0000 - 3700.0000 MHz	60M0G1D	TTC&M
3625.0000 - 3700.0000 MHz	100KG7W-	DIGITAL DATA, VOICE, AND VIDEO
3625.0000 - 3700.0000 MHz	72M0G7W	DIGITAL DATA, VOICE, AND VIDEO

**Points of Communication:**

- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - INTELSAT AOR - (340.0 E.L.)
- 1 - INTELSAT AOR - (342.0 E.L.)
- 1 - New Skies 806 - (319.5 E.L.)
- 1 - NSS-7 - (338.5 E.L.)

<b>SES-RWL-20090129-00093</b>	E KA260	Intelsat North America LLC	03/31/2009 - 03/31/2024
Renewal			Date Effective: 02/02/2009
Grant of Authority			

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: COMSAT CLARKSBURG FACILITY, MONGTOMERY, CLARKSBURY, MD  
39 ° 13 ' 5.00 " N LAT. 77 ° 16 ' 12.00 " W LONG.

ANTENNA ID:	C-LMA-2	9 meters	VERTEX COMM.	9 KPC
	6179.0000 - 6425.0000 MHz	800KGXD	80.30 dBW	TTC&M
	6179.0000 - 6425.0000 MHz	1M50F3X	83.00 dBW	TTC&M

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6172.0000 - 6178.0000 MHz	800KFXD	83.00 dBW	TTC&M
5925.0000 - 6171.0000 MHz	800KGXD	80.30 dBW	TTC&M
5925.0000 - 6171.0000 MHz	1M50F3X	83.00 dBW	TTC&M
5850.0000 - 5925.0000 MHz	1M50F3X	80.10 dBW	TTC&M
3947.0000 - 3953.0000 MHz	800KGXD		TTC&M
3700.0000 - 4200.0000 MHz	800KFXD		TTC&M
3700.0000 - 4200.0000 MHz	800KGXD		TTC&M
3700.0000 - 4200.0000 MHz	1M50F3X		TTC&M
3625.0000 - 3700.0000 MHz	1M50F3X		TTC&M

**Points of Communication:**

1 - INTELSAT 805 - (304.5 E.L.)

1 - INTELSAT AOR - (307.0 E.L.)

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

1 - INTELSAT AOR - (319.5 E.L.)

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

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

1 - INTELSAT AOR - (328.6 E.L.)

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

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

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

1 - INTELSAT AOR - (338.7 E.L.)

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

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

1 - NSS-5 - (183 E.L.)

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**SES-RWL-20090129-00094**    E   KA259    Intelsat North America LLC

Renewal

03/31/2009 - 03/31/2024

Grant of Authority

Date Effective:    02/02/2009

**Class of Station:**        Fixed Earth Stations

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

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SITE ID: 1  
LOCATION: COMSAT CLARKSBURG FACILITY, MONTGOMERY, CLARKSBURG, MD  
39 ° 13 ' 5.60 " N LAT. 77 ° 16 ' 12.40 " W LONG.

ANTENNA ID:	C-LMA-1	9 meters	VERTEX COMMUNICATION	9 KPC
	6179.0000 - 6425.0000 MHz	800KGXD	80.30 dBW	TELEMETRY SIGNAL
	6179.0000 - 6425.0000 MHz	1M50F3X	80.30 dBW	ENERGY-DISPERSED FM TEST SIGNAL
	6172.0000 - 6178.0000 MHz	800KFXD	83.00 dBW	COMMAND SIGNAL
	5925.0000 - 6171.0000 MHz	1M50F3X	80.30 dBW	ENERGY-DISPERSED FM TEST SIGNAL
	5925.0000 - 6171.0000 MHz	800KGXD	80.30 dBW	TELEMETRY SIGNAL
	5850.0000 - 6425.0000 MHz	1M50F3X	80.10 dBW	ENERGY-DISPERSED FM TEST SIGNAL
	3947.0000 - 3953.0000 MHz	800KGXD		TELEMETRY SIGNAL
	3700.0000 - 4200.0000 MHz	1M50F3X		ENERGY-DISPERSED FM TEST SIGNAL
	3700.0000 - 4200.0000 MHz	800KGXD		TELEMETRY SIGNAL
	3700.0000 - 4200.0000 MHz	800KFXD		COMMAND SIGNAL
	3625.0000 - 4200.0000 MHz	1M50F3X		ENERGY-DISPERSED FM TEST SIGNAL

**Points of Communication:**

- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (319.5 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (328.6 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - INTELSAT AOR - (338.7 E.L.)

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

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

1 - NSS-5 - (183 E.L.)

**SES-RWL-20090129-00095** E KA258 Intelsat North America LLC

Renewal

03/31/2009 - 03/31/2024

Grant of Authority

Date Effective: 02/02/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: 22021 COMSAT DRIVE, MONTGOMERY, CLARKSBURG, MD

39 ° 13 ' 6.60 " N LAT.

77 ° 16 ' 15.30 " W LONG.

ANTENNA ID:	K-FPA	14.2 meters	TIW	KFPA14.2
14253.0000 - 14500.0000 MHz		1M50F3X	87.00 dBW	ENERGY-DISPERSED FM TEST SIGNAL
14247.0000 - 14253.0000 MHz		800KF3D	87.00 dBW	COMMAND SIGNAL
14000.0000 - 14500.0000 MHz		NON	61.30 dBW	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
14000.0000 - 14500.0000 MHz		200KF2N	78.30 dBW	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
14000.0000 - 14500.0000 MHz		2M00F3N	87.00 dBW	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
14000.0000 - 14500.0000 MHz		20M0F3N	87.00 dBW	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
14000.0000 - 14500.0000 MHz		800KGXD	88.00 dBW	TTC&M, Carrier
14000.0000 - 14247.0000 MHz		1M50F3X	87.00 dBW	ENERGY-DISPERSED FM TEST SIGNAL
11700.0000 - 12200.0000 MHz		800KGXD		TTC&M, Carrier
11450.0000 - 12200.0000 MHz		1M50F3X		ENERGY-DISPERSED FM TEST SIGNAL
11450.0000 - 12200.0000 MHz		NON		TT&C, Monitoring, IN-ORBIT TESTING CARRIER
11450.0000 - 12200.0000 MHz		200KF3N		TT&C, Monitoring, IN-ORBIT TESTING CARRIER
11450.0000 - 12200.0000 MHz		2M00F3N		TT&C, Monitoring, IN-ORBIT TESTING CARRIER

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11450.0000 - 12200.0000 MHz	20M0F3N	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
11450.0000 - 11950.0000 MHz	800KGXD	TTC&M, Carrier
10950.0000 - 11200.0000 MHz	800KFXD	COMMAND SIGNAL
10950.0000 - 11200.0000 MHz	NON	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
10950.0000 - 11200.0000 MHz	200KF3N	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
10950.0000 - 11200.0000 MHz	2M00F3N	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
10950.0000 - 11200.0000 MHz	20M0F3N	TT&C, Monitoring, IN-ORBIT TESTING CARRIER
10950.0000 - 11200.0000 MHz	800KGXD	TTC&M, Carrier

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - INTELSAT AOR - (340.0 E.L.)
- 1 - INTELSAT AOR - (342.0 E.L.)
- 1 - New Skies 806 - (319.5 E.L.)
- 1 - New Skies K - (338.5 E.L.)
- 1 - NSS-5 - (183 E.L.)

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<b>SES-RWL-20090129-00096</b>	E KA270	Intelsat North America LLC	03/31/2009 - 03/31/2024
Renewal			Date Effective: 02/02/2009
Grant of Authority			

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: KAM HIGHWAY, OAHU, HAWAII, OAHU, PAUMALU, HI  
21 ° 40 ' 24.00 " N LAT. 158 ° 2 ' 16.00 " W LONG.

ANTENNA ID:	C-CCA-T8	9 meters	VERTEX	9KPC
5850.0000 - 6425.0000 MHz		600KF2D	72.00 dBW	TTC&M
5850.0000 - 6425.0000 MHz		800KFXD	72.00 dBW	TTC&M
5850.0000 - 6425.0000 MHz		72M0G7W	72.00 dBW	ANALOG AND DIGITAL DATA, VOICE AND VIDEO
5850.0000 - 6425.0000 MHz		100KG7W	64.20 dBW	ANALOG AND DIGITAL DATA, VOICE AND VIDEO
3625.0000 - 4200.0000 MHz		600KF2D		TTC&M
3625.0000 - 4200.0000 MHz		800KFXD		TTC&M
3625.0000 - 4200.0000 MHz		72M0G7W		ANALOG AND DIGITAL DATA, VOICE AND VIDEO
3625.0000 - 4200.0000 MHz		100KG7W		ANALOG AND DIGITAL DATA, VOICE AND VIDEO

**Points of Communication:**

1 - INTELSAT POR - (174.0 E.L.)

1 - INTELSAT POR - (176.0 E.L.)

1 - INTELSAT POR - (180.0 E.L.)

1 - New Skies 513 - (183 E.L.)

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**SES-RWL-20090129-00097** E KA268 Intelsat North America LLC

Renewal

03/31/2009 - 03/31/2024

Grant of Authority

Date Effective: 02/02/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: KAM HIGHWAY, OAHU, HAWAII, OAHU, PAUMALU, HI  
21 ° 40 ' 25.00 " N LAT. 158 ° 2 ' 16.00 " W LONG.

ANTENNA ID:	1	9 meters	VERTEX	9KPC
6172.0000 - 6178.0000 MHz		800KFXD	83.00 dBW	COMMAND/TTC&M

5850.0000 - 6425.0000 MHz	1M50F3X	83.00 dBW	TEST/TTC&M
3947.0000 - 3953.0000 MHz	800KGXD		TELEMETRY/TTC&M
3625.0000 - 4200.0000 MHz	1M50F3X		TEST/TTC&M

**Points of Communication:**

1 - INTELSAT POR - (174.0 E.L.)

1 - INTELSAT POR - (176.0 E.L.)

1 - INTELSAT POR - (180.0 E.L.)

1 - New Skies 513 - (183 E.L.)

<b>SES-RWL-20090129-00098</b>	E KA274	GlobeCast America Incorporated	
Renewal			03/01/2009 - 03/01/2024
Grant of Authority			Date Effective: 01/30/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: 16250 FILBERT STREET, LOS ANGELES, SYLMAR, CA

34 ° 19 ' 4.00 " N LAT.

118 ° 29 ' 0.00 " W LONG.

ANTENNA ID: 1 15.5 meters DATRON LM101-15.5C

5850.0000 - 6425.0000 MHz 9M00G7W 51.80 dBW

5850.0000 - 6425.0000 MHz 36M0F3F 89.00 dBW

3625.0000 - 4200.0000 MHz

ANTENNA ID: 2 7 meters SCIENTIFIC ATLANTA 8010 (RECEIVE-ONLY)

5850.0000 - 6425.0000 MHz 9M00G7W 51.80 dBW

5850.0000 - 6425.0000 MHz 36M0F3F 89.00 dBW

3625.0000 - 4200.0000 MHz

**Points of Communication:**

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

1 - ANIK E2 - (111.1 W.L.)

1 - INTELSAT POR - (174.0 E.L.)

1 - INTELSAT POR - (176.0 E.L.)



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1 - INTELSAT POR - (180.0 E.L.)

1 - PAS-4 - (191.0 W.L.)

1 - SOLIDARIDAD F-1 - (109.2 W.L.)

1 - SOLIDARIDAD F-2 - (113.0 W.L.)

1 - STATIONAR 10 - (170 W.L.)

1 - STATIONAR 26 - (155.0 W.L.)

1 - TDRS-5 - (174.3 W.L.)

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**SES-RWL-20090202-00120**      E    E890083      KGO Television, Inc.

Renewal

04/28/2009 - 04/28/2024

Grant of Authority

Date Effective:    02/03/2009

**Class of Station:**      Fixed Earth Stations

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

SITE ID:            1

LOCATION:           900 FRONT STREET, SAN FRANCISCO, SAN FRANCISCO, CA

37 ° 48 ' 2.00 " N LAT.

122 ° 23 ' 53.00 " W LONG.

ANTENNA ID:    1                      7.3 meters            ANDREW CORPORATION            ESA73-46

3700.0000 - 4200.0000 MHz            36MOF3F

ANTENNA ID:    2                      4.5 meters            ANDREW CORPORATION            ESA45-4

3700.0000 - 4200.0000 MHz            36MOF3F

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-STA-20081220-01694**      E                      Marine Technologies, LLC

Special Temporary Authority

Grant of Authority

Date Effective:    01/29/2009

**Class of Station:**      Mobile Earth Station

**Nature of Service:**    Mobile Satellite Service

Special temporary authority is GRANTED for a period of 60 days beginning February 1, 2009 and ending April 1, 2009.

**Points of Communication:**

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**SES-STA-20090120-00051**      E                      UNIVERSAL SPACE NETWORK, INC.

Special Temporary Authority

Grant of Authority

Date Effective:    02/03/2009

**Class of Station:**

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Special Temporary Authority is GRANTED WITH CONDITIONS for a period of 30 days beginning February 10, 2009 and ending March 11, 2009.

**Points of Communication:**

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**SES-STA-20090126-00068**      E   E070290      NEW ICO SATELLITE SERVICES G.P.

Special Temporary Authority

Grant of Authority

Date Effective:      02/03/2009

**Class of Station:**

Extension of Special Temporary Authority is GRANTED for a period of 30 days commencing February 5, 2009 and ending March 6, 2009.

**Points of Communication:**

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**SES-STA-20090126-00069**      E   E080139      Shell Communications, Inc.

Special Temporary Authority

Grant of Authority

Date Effective:      01/29/2009

**Class of Station:**

Extension of special temporary authority is GRANTED for an additional 30 days beginning February 5, 2009 and ending March 5, 2009.

**Points of Communication:**

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**SES-STA-20090126-00070**      E   E080225      CapRock Communications, Inc.

Special Temporary Authority

Grant of Authority

Date Effective:      01/29/2009

**Class of Station:**

Special temporary authority is GRANTED for a period of 30 days beginning February 1, 2009 and ending March 2, 2009.

**Points of Communication:**

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**SES-STA-20090127-00073**      E   E080251      The Moody Bible Institute of Chicago

Special Temporary Authority

Grant of Authority

Date Effective:      01/29/2009

**Class of Station:**

**Points of Communication:**

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**SES-STA-20090128-00082**      E   E080168      Sirius XM Radio Inc.

Special Temporary Authority

Grant of Authority

Date Effective:      02/03/2009

**Class of Station:**

Special Temporary Authority is GRANTED WITH CONDITIONS for a period of 30 days beginning February 4, 2009 and ending March 5, 2009.

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**Points of Communication:**

**SES-STA-20090130-00102**      E   E080162      SES Americom, Inc.  
Special Temporary Authority  
Withdrawn

Date Effective:    02/02/2009

**Class of Station:**

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**Points of Communication:**

**SES-STA-20090202-00121**      E   E090008      Gold Coast Broadcasting LLC  
Special Temporary Authority  
Grant of Authority

Date Effective:    02/03/2009

**Class of Station:**

Special temporary authority is GRANTED for a period of 60 days beginning February 4, 2009 and ending April 4, 2009.

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**Points of Communication:****SURRENDER**

**SES-LIC-20070123-00136**      E070016      SES Americom, Inc.

License has been surrendered per letter dated January 29, 2009.

**SES-RWL-20070925-01320**      E970428      SES Americom, Inc.

License has been surrendered per letter dated January 29, 2009.

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