



# PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION  
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Report No. SES-01114

Wednesday February 18, 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.

SES-AMD-20080118-00075 E E070272 NEW ICO SATELLITE SERVICES G.P.  
Amendment  
Grant of Authority Date Effective: 01/15/2009

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: METs

LOCATION: Operate up to 1,000,000 METs One Aerojet Way, Suite 300, Clark, North Las Vegas, NV

ANTENNA ID:	P4	0.03 meters	Various	N/A	
	2180.0000 - 2200.0000 MHz		200KG7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
	2000.0000 - 2020.0000 MHz		200KG7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID:	P3	0.03 meters	Various	N/A	
	2180.0000 - 2200.0000 MHz		1M25G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
	2000.0000 - 2020.0000 MHz		1M25G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID:	P2	0.06 meters	Various	N/A	
	2180.0000 - 2200.0000 MHz		156KG7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
	2180.0000 - 2200.0000 MHz		31K3G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data

2000.0000 - 2020.0000 MHz	156KG7W	5.71 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2000.0000 - 2020.0000 MHz	31K3G7W	-1.27 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P1	0.06 meters	Various	N/A
2180.0000 - 2200.0000 MHz	5M00G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P5	0.03 meters	Various	N/A
2180.0000 - 2200.0000 MHz	1M25G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2000.0000 - 2020.0000 MHz	1M25G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P6	0.03 meters	Various	N/A
2180.0000 - 2200.0000 MHz	5M00G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2000.0000 - 2020.0000 MHz	5M00G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data

**Points of Communication:**

METs - ICO G1 - (92.85 W.L.)

**SES-AMD-20080219-00172** E E070272 NEW ICO SATELLITE SERVICES G.P.

Amendment

Grant of Authority

Date Effective: 01/15/2009

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

SITE ID: METs

LOCATION: (Operate up to 1,000,000 METs) 1 Aerojet Way, Suite 300, Clark, North Las Vegas, NV

ANTENNA ID: P4	0.03 meters	Various	N/A
2180.0000 - 2200.0000 MHz	200KG7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2000.0000 - 2020.0000 MHz	200KG7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P3	0.03 meters	Various	N/A
2180.0000 - 2200.0000 MHz	1M25G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data

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2000.0000 - 2020.0000 MHz	1M25G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P2	0.06 meters	Various	N/A
2180.0000 - 2200.0000 MHz	156KG7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2180.0000 - 2200.0000 MHz	31K3G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2000.0000 - 2020.0000 MHz	156KG7W	6.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2000.0000 - 2020.0000 MHz	31K3G7W	6.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P1	0.06 meters	Various	N/A
2180.0000 - 2200.0000 MHz	5M00G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P5	0.03 meters	Various	N/A
2180.0000 - 2200.0000 MHz	1M25G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2000.0000 - 2020.0000 MHz	1M25G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P6	0.03 meters	Various	N/A
2180.0000 - 2200.0000 MHz	5M00G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2000.0000 - 2020.0000 MHz	5M00G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data

**Points of Communication:**

METs - ICO G1 - (92.85 W.L.)

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SES-AMD-20080822-01086 E E080168 Sirius XM Radio Inc.  
 Amendment  
 Grant of Authority

Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Satellite Digital Audio Radio Service, Other

SITE ID: 1

LOCATION: 2875 Fork Creek Church Road, Clayton, Ellenwood, GA  
 33 ° 39 ' 51.00 " N LAT.

84 ° 16 ' 24.00 " W LONG.

ANTENNA ID: Feeder 1 7.2 meters General Dynamics 7.2M

7060.0000 - 7064.5000 MHz	4M50G7E	75.00 dBW	TDM QPSK DARS PROGRAM UPLINK
7055.5000 - 7056.5000 MHz	1M00F1D	75.00 dBW	PCM/PSK/FM COMMAND
7051.5000 - 7052.5000 MHz	1M00F1D	75.00 dBW	PCM/PSK/FM COMMAND
2331.8500 - 2332.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2331.3500 - 2331.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
2320.8500 - 2321.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.3500 - 2320.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
ANTENNA ID: Feeder 3	8 meters	General Dynamics	8.0M
7068.0000 - 7072.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
7060.0000 - 7064.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
7055.5000 - 7056.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
7051.5000 - 7052.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
2330.8500 - 2331.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2330.3500 - 2330.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2329.2500 - 2329.5500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
2326.1000 - 2326.4000 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2321.8500 - 2322.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2321.3500 - 2321.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0500 - 2320.3500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK

7068.0000 - 7072.5000 MHz	4M50G7E	75.00 dBW	TDM QPSK DARS PROGRAM UPLINK
6422.0000 - 6423.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
6424.0000 - 6425.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
4196.3750 - 4196.6250 MHz	250KG9D		BIPHASE PCM TELEMETRY
4196.8750 - 4197.1250 MHz	250KG9D		BIPHASE PCM TELEMETRY
ANTENNA ID: Feeder 2	8 meters	General Dynamics	8.0M
7068.0000 - 7072.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
7060.0000 - 7064.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
7055.5000 - 7056.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
7051.5000 - 7052.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
2330.8500 - 2331.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2330.3500 - 2330.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2329.2500 - 2329.5500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
2326.1000 - 2326.4000 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2321.8500 - 2322.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2321.3500 - 2321.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0500 - 2320.3500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
6422.0000 - 6423.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
6424.0000 - 6425.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
4196.3750 - 4196.6250 MHz	250KG9D		BIPHASE PCM TELEMETRY
4196.8750 - 4197.1250 MHz	250KG9D		BIPHASE PCM TELEMETRY

**Points of Communication:**

1 - SIRIUS FM 5 - (96 W.L.)

1 - SIRIUS FM 6 - (NGSO)

1 - USASAT-28C - (NGSO)

**SES-AMD-20090204-00145** E E080168 Sirius XM Radio Inc.

Amendment

Grant of Authority

Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Satellite Digital Audio Radio Service, Other

SITE ID: 1

LOCATION: 2875 Fork Creek Church Road, Clayton, Ellenwood, GA

33 ° 39 ' 51.00 " N LAT.

84 ° 16 ' 24.00 " W LONG.

ANTENNA ID:	Feeder 1	7.2 meters	General Dynamics	7.2M
	7068.0000 - 7072.5000 MHz	4M50G7E	75.00 dBW	TDM QPSK DARS PROGRAM UPLINK
	7060.0000 - 7064.5000 MHz	4M50G7E	75.00 dBW	TDM QPSK DARS PROGRAM UPLINK
	7055.5000 - 7056.5000 MHz	1M00F1D	75.00 dBW	PCM/PSK/FM COMMAND
	7051.5000 - 7052.5000 MHz	1M00F1D	75.00 dBW	PCM/PSK/FM COMMAND
	2331.8500 - 2332.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2331.3500 - 2331.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
	2320.8500 - 2321.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2320.3500 - 2320.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
ANTENNA ID:	Feeder 3	8 meters	General Dynamics	8.0M
	7068.0000 - 7072.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
	7060.0000 - 7064.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
	7055.5000 - 7056.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
	7051.5000 - 7052.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND

6424.0000 - 6425.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
6422.0000 - 6423.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
4196.8750 - 4197.1250 MHz	250KG9D		BIPHASE PCM TELEMETRY
4196.3750 - 4196.6250 MHz	250KG9D		BIPHASE PCM TELEMETRY
2330.8500 - 2331.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2330.3500 - 2330.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2329.2500 - 2329.5500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
2326.1000 - 2326.4000 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2321.8500 - 2322.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2321.3500 - 2321.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0500 - 2320.3500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
ANTENNA ID: Feeder 2	8 meters	General Dynamics	8.0M
7068.0000 - 7072.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
7060.0000 - 7064.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
7055.5000 - 7056.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
7051.5000 - 7052.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
6424.0000 - 6425.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
6422.0000 - 6423.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
4196.8750 - 4197.1250 MHz	250KG9D		BIPHASE PCM TELEMETRY
4196.3750 - 4196.6250 MHz	250KG9D		BIPHASE PCM TELEMETRY
2330.8500 - 2331.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2330.3500 - 2330.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2329.2500 - 2329.5500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY

2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
2326.1000 - 2326.4000 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2321.8500 - 2322.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2321.3500 - 2321.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0500 - 2320.3500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK

**Points of Communication:**

- 1 - SIRIUS FM 5 - (96 W.L.)
- 1 - SIRIUS FM 6 - (NGSO)
- 1 - USASAT-28C - (NGSO)

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**SES-ASG-20090210-00161** E KY96 WINDJAMMER COMMUNICATIONS LLC

Application for Consent to Assignment  
Grant of Authority

Date Effective: 02/13/2009

**Current Licensee:** TIME WARNER ENTERTAINMENT- ADVANCE/NEWHOUSE PARTNERSHIP

**FROM:** TIME WARNER ENTERTAINMENT ADVANCE/NEWHOUSE PARTNERSHIP

**TO:** WINDJAMMER COMMUNICATIONS LLC

No. of Station(s) listed: 1

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**SES-LIC-20071203-01646** E E070272 NEW ICO SATELLITE SERVICES G.P.

Application for Authority  
Grant of Authority

01/15/2009 - 01/15/2024

Date Effective: 01/15/2009

**Class of Station:** Mobile Earth Station

**Nature of Service:** Mobile Satellite Service

**SITE ID:** METs

**LOCATION:** (Operate up to 1,000,000 METs)

ANTENNA ID: P4	0.03 meters	Various	N/A
2180.0000 - 2190.0000 MHz	200KG7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2010.0000 - 2020.0000 MHz	200KG7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P3	0.03 meters	Various	N/A
2180.0000 - 2190.0000 MHz	1M25G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data



2010.0000 - 2020.0000 MHz	1M25G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P2	0.06 meters	Various	N/A
2180.0000 - 2190.0000 MHz	31K3G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2010.0000 - 2020.0000 MHz	31K3G7W	-1.27 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2180.0000 - 2190.0000 MHz	156K67W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2010.0000 - 2020.0000 MHz	156K67W	5.71 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P1	0.06 meters	Various	N/A
2180.0000 - 2190.0000 MHz	5M00G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data, DVB-SH
ANTENNA ID: P5	0.03 meters	Various	N/A
2180.0000 - 2190.0000 MHz	1M25G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
2010.0000 - 2020.0000 MHz	1M25G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data
ANTENNA ID: P6	0.03 meters	Various	N/A
2180.0000 - 2190.0000 MHz	5M00G7W	0.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data, DVB-SH
2010.0000 - 2020.0000 MHz	5M00G7W	3.00 dBW	16 QAM, 8PSK, QPSK, 16APSK, non-uniform QAM - voice, data, DVB-SH

**Points of Communication:**

METs - ICO G1 - (92.85 W.L.)

SES-LIC-20080714-00933 E E080168 Sirius XM Radio Inc.

Application for Authority

02/17/2009 - 02/17/2024

Grant of Authority

Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Satellite Digital Audio Radio Service, Other

SITE ID: 1

LOCATION: 2875 Fork Creek Church Road, Clayton, Ellenwood, GA

33 ° 39 ' 51.00 " N LAT.

84 ° 16 ' 24.00 " W LONG.

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ANTENNA ID:	Feeder 1	7.2 meters	General Dynamics	7.2M
	7060.0000 - 7064.5000 MHz	4M50G7E	75.00 dBW	TDM QPSK DARS PROGRAM UPLINK
	7068.0000 - 7072.5000 MHz	4M50G7E	75.00 dBW	TDM QPSK DARS PROGRAM UPLINK
	7055.5000 - 7056.5000 MHz	1M00F1D	75.00 dBW	PCM/PSK/FM COMMAND
	2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
	2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
	2320.3500 - 2320.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2320.8500 - 2321.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2331.3500 - 2331.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2331.8500 - 2332.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	7051.5000 - 7052.5000 MHz	1M00F1D	75.00 dBW	PCM/PSK/FM COMMAND
ANTENNA ID:	Feeder 3	8 meters	General Dynamics	8.0M
	7060.0000 - 7064.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
	7068.0000 - 7072.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
	7051.5000 - 7052.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
	7055.5000 - 7056.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
	2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
	2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
	2321.3500 - 2321.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2321.8500 - 2322.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2330.3500 - 2330.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2330.8500 - 2331.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2320.0500 - 2320.3500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY

	2326.1000 - 2326.4000 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2329.2500 - 2329.5500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	6422.0000 - 6423.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
	4196.3750 - 4196.6250 MHz	250KG9D		BIPHASE PCM TELEMETRY
	4196.8750 - 4197.1250 MHz	250KG9D		BIPHASE PCM TELEMETRY
	6424.0000 - 6425.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
ANTENNA ID:	Feeder 2	8 meters	General Dynamics	8.0M
	7060.0000 - 7064.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
	7068.0000 - 7072.5000 MHz	4M50G7E	72.50 dBW	TDM QPSK DARS PROGRAM UPLINK
	7051.5000 - 7052.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
	7055.5000 - 7056.5000 MHz	1M00F1D	79.40 dBW	PCM/PSK/FM COMMAND
	2320.0000 - 2324.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
	2328.0000 - 2332.5000 MHz	4M50G7E	0.00 dBW	TDM QPSK DARS PROGRAM DOWNLINK
	2321.3500 - 2321.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2321.8500 - 2322.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2330.3500 - 2330.6500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2330.8500 - 2331.1500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2320.0500 - 2320.3500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2326.1000 - 2326.4000 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	2329.2500 - 2329.5500 MHz	300KG1D	0.00 dBW	BIPHASE PCM TELEMETRY
	6422.0000 - 6423.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
	6424.0000 - 6425.0000 MHz	900KF9D	79.40 dBW	PCM/PSK/FM COMMAND
	4196.3750 - 4196.6250 MHz	250KG9D		BIPHASE PCM TELEMETRY
	4196.8750 - 4197.1250 MHz	250KG9D		BIPHASE PCM TELEMETRY

**Points of Communication:**

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1 - SIRIUS FM 5 - (96 W.L.)

1 - SIRIUS FM 6 - (NGSO)

1 - USASAT-28C - (NGSO)

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**SES-LIC-20081212-01598**    E E080242    Moonlink Satellite , Inc    **EZ**  
Application for Authority    02/17/2009 - 02/17/2024  
Grant of Authority    Date Effective:    02/17/2009

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

SITE ID:    MS#3  
LOCATION:    VARIOUS

ANTENNA ID:    MS Truck#3    5.5 meters    Comtech    Offsat  
5925.0000 - 6425.0000 MHz    36M0G1F    71.90 dBW    Digital Video,QPSK,S2,16QUAM, 8PSK

**Points of Communication:**

MS#3 - PERMITTED LIST - ()

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**SES-LIC-20081217-01624**    E E080249    Solo Satellite Communications    **EZ**  
Application for Authority    02/17/2009 - 02/17/2024  
Grant of Authority    Date Effective:    02/17/2009

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

**Nature of Service:**    Fixed Satellite Service

SITE ID:    1  
LOCATION:    VARIOUS

ANTENNA ID:    2.4M    2.4 meters    Vertex/RSI    SF Flyaway  
14000.0000 - 14500.0000 MHz    51K2G7W    45.97 dBW    Digital traffic, various information,  
various data rates, various FEC  
14000.0000 - 14500.0000 MHz    36M0G7W    74.44 dBW    Digital traffic, various information,  
various data rates, various FEC  
ANTENNA ID:    2.4    2.4 meters    Vertex/RSI    SF Flyaway  
5925.0000 - 6425.0000 MHz    51K2G7W    40.06 dBW    digital traffic, various data rates, various  
FEC, various information  
5925.0000 - 6425.0000 MHz    36M0G7W    68.53 dBW    digital traffic, various data rates, various  
FEC, various information

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20090107-00007** E E090002 Cable News Network LP, LLLP  
Application for Authority 02/17/2009 - 02/17/2024  
Grant of Authority Date Effective: 02/17/2009

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

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

SITE ID: NY-SNG-4  
LOCATION: ATLANTA, GA, 30348 FULTON ONE CNN CENTER, VARIOUS

ANTENNA ID:	NY-SNG-4	1.8 meters	AvL Technologies	1810K
14000.0000 - 14500.0000 MHz	36M0G7W	72.22 dBW	One 36 Mbit MCPC digital carrier for voice/data	
14000.0000 - 14500.0000 MHz	36M0F8W	72.70 dBW	One wideband 36 MHz frequency modulated video carrier with associated audio and ATIS subcarriers	

**Points of Communication:**

NY-SNG-4 - ALSAT - (ALSAT)

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**SES-LIC-20090109-00019** E E090004 POST-NEWSWEEK STATIONS, FLORIDA, INC.  
Application for Authority 02/17/2009 - 02/17/2024  
Grant of Authority Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 3401 W. HALLANDALE BEACH BLVD., BROWARD, PEMBROKE PARK, FL  
25 ° 59 ' 5.10 " N LAT. 80 ° 10 ' 36.60 " W LONG.

ANTENNA ID:	KU1	3.7 meters	ASC SIGNAL CORPORATION	ES37MPJK-1
14000.0000 - 14500.0000 MHz	4M50G7F-	69.80 dBW	DIGITAL COMPRESSED VIDEO	
14000.0000 - 14500.0000 MHz	8M00G7F	72.30 dBW	DIGITAL COMPRESSED VIDEO	
11700.0000 - 12200.0000 MHz	4M50G7F-		DIGITAL COMPRESSED VIDEO	
11700.0000 - 12200.0000 MHz	8M00G7F		DIGITAL COMPRESSED VIDEO	

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-MFS-20081209-01559** E E080102 CapRock Communications, Inc.  
Modification 06/16/2008 - 06/16/2023  
Grant of Authority Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: Mississippi Canyon, LA  
28 ° 2 ' 0.60 " N LAT. 89 ° 6 ' 2.20 " W LONG.

ANTENNA ID:	1	2.4 meters	Seatel	9797	
	3700.0000 - 4200.0000 MHz		1M40G7W	0.00 dBW	Digital
	5925.0000 - 6425.0000 MHz		1M40G7W	48.33 dBW	Digital

**Points of Communication:**

1 - ALSAT - (ALSAT)  
1 - SATMEX 6 - (113 W.L.)  
1 - SATMEX-5 - (116.8 W.L.)

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**SES-MFS-20081209-01560** E E050331 CapRock Communications, Inc.  
Modification 01/10/2006 - 01/10/2021  
Grant of Authority Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Boomvang  
LOCATION: East Breaks 643 (Boomvang) Oil Platform in Gulf of Mexico  
27 ° 21 ' 12.80 " N LAT. 94 ° 37 ' 31.10 " W LONG.

ANTENNA ID:	A1	2.4 meters	Sea Tel	9797	
	5925.0000 - 6425.0000 MHz		4M47G7W	50.05 dBW	Digital
	5925.0000 - 6425.0000 MHz		341KG7W	35.30 dBW	Digital Voice and Data
	3700.0000 - 4200.0000 MHz		4M47G7W		Digital
	3700.0000 - 4200.0000 MHz		341KG7W		Digital Voice and Data

**Points of Communication:**

Boomvang - SATMEX 6 - (113 W.L.)  
Boomvang - SATMEX-5 - (116.8 W.L.)

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**SES-MFS-20081209-01562** E E050206 CapRock Communications, Inc.  
Modification 08/23/2005 - 08/23/2020  
Grant of Authority Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: Green Canyon (680)

LOCATION: Gulf Of Mexico, Offshore Louisiana  
27 ° 17 ' 31.90 " N LAT.

90 ° 58 ' 4.80 " W LONG.

ANTENNA ID:	2.4M	2.4 meters	Seatel	9797
5925.0000 - 6425.0000 MHz		2M05G7W	43.44 dBW	Digital Data Carrier
5925.0000 - 6425.0000 MHz		100KG7W	37.47 dBW	Digital Data Carrier
3700.0000 - 4200.0000 MHz		2M05G7W		Digital Data Carrier
3700.0000 - 4200.0000 MHz		100KG7W		Digital Data Carrier
3700.0000 - 4200.0000 MHz		4M47G7W		Digital
5925.0000 - 6425.0000 MHz		4M47G7W	50.05 dBW	Digital

**Points of Communication:**

Green Canyon (680) - SATMEX 6 - (113 W.L.)

Green Canyon (680) - SATMEX-5 - (116.8 W.L.)

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**SES-MFS-20081209-01563** E E030159 CapRock Communications, Inc.

Modification

01/13/2004 - 01/13/2019

Grant of Authority

Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: Offshore Louisiana, N/A, Gulf of Mexico  
27 ° 18 ' 19.00 " N LAT.

93 ° 32 ' 20.00 " W LONG.

ANTENNA ID:	1	2.4 meters	GUNNISON	9797
5925.0000 - 6425.0000 MHz		1M00G1W	48.97 dBW	Digital Data, QPSK
5925.0000 - 6425.0000 MHz		4M47G7W	50.05 dBW	DIGITAL
3700.0000 - 4200.0000 MHz		1M00G1W		Digital Data, QPSK
3700.0000 - 4200.0000 MHz		4M47G7W		DIGITAL

**Points of Communication:**

1 - AMC-9 - (85 W.L.)

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

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1 - SATMEX 6 - (113 W.L.)

1 - SATMEX-5 - (116.8 W.L.)

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**SES-MFS-20081209-01565** E E050332 CapRock Communications, Inc.

Modification

01/10/2006 - 01/10/2021

Grant of Authority

Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Neptune

LOCATION: Vioska Knoll 826 (Neptune) oil platform, Gulf of Mexico

29 ° 9 ' 48.40 " N LAT.

87 ° 59 ' 15.90 " W LONG.

ANTENNA ID: A1 2.4 meters Sea Tel 9797

5925.0000 - 6425.0000 MHz 450KG7W 35.30 dBW Digital Voice and Data

3700.0000 - 4200.0000 MHz 450KG7W Digital Voice and Data

5925.0000 - 6425.0000 MHz 4M47G7W 50.05 dBW Digital

3700.0000 - 4200.0000 MHz 4M47G7W Digital

**Points of Communication:**

Neptune - SATMEX 6 - (113 W.L.)

Neptune - SATMEX-5 - (116.8 W.L.)

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**SES-MFS-20081209-01572** E E050335 Anadarko Petroleum Corporation

Modification

01/10/2006 - 01/10/2021

Grant of Authority

Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Independence

LOCATION: Offshore Oil Platform in the Gulf of Mexico

28 ° 5 ' 5.20 " N LAT.

87 ° 59 ' 9.80 " W LONG.

ANTENNA ID: A1 2.4 meters SeaTel 9797

5925.0000 - 6425.0000 MHz 4M47G7W 50.05 dBW Digital

3700.0000 - 4200.0000 MHz 4M47G7W Digital

**Points of Communication:**

Independence - SATMEX 6 - (113 W.L.)



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Independence - SATMEX-5 - (116.8 W.L.)

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**SES-MFS-20081210-01578**    E E060220    Shell Communications, Inc.  
Modification  
Grant of Authority

07/31/2006 - 07/31/2021  
Date Effective:    02/17/2009

**Class of Station:**        Fixed Earth Stations

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

SITE ID:            GB128 ENCHILADA

LOCATION:

27 ° 52 ' 18.60 " N LAT.

91 ° 59 ' 6.60 " W LONG.

ANTENNA ID:	SHELL - 1	2.4 meters	ANDREW	243
	5925.0000 - 6425.0000 MHz		4M30G7W	52.00 dBW
				QPSK - Data
	3700.0000 - 4200.0000 MHz		4M30G7W	
				QPSK - Data

**Points of Communication:**

GB128 ENCHILADA - ALSAT - (ALSAT)

GB128 ENCHILADA - SATMEX 6 - (113 W.L.)

GB128 ENCHILADA - SATMEX-5 - (116.8 W.L.)

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**SES-MFS-20081215-01604**    E E020206    HNS License Sub, LLC  
Modification  
Grant of Authority

09/27/2002 - 09/27/2017  
Date Effective:    02/17/2009

**Class of Station:**        Fixed Earth Stations

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

SITE ID:            WAS

LOCATION:            601 New Hampshire Ave., NW, District of Columbia, Washington, DC

38 ° 53 ' 51.50 " N LAT.

77 ° 3 ' 14.90 " W LONG.

ANTENNA ID:	WAS-2	1.8 meters	GD SATCOM	HNS-AN-180P-KU
	11700.0000 - 12200.0000 MHz		1M60G7D	QPSK
	11700.0000 - 12200.0000 MHz		200KG7D	QPSK
	14000.0000 - 14500.0000 MHz		1M60G7D	58.50 dBW
				QPSK
	14000.0000 - 14500.0000 MHz		200KG7D	49.40 dBW
				QPSK

**Points of Communication:**

WAS - ALSAT - (ALSAT)

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**SES-MFS-20081215-01605** E E020207 HNS License Sub, LLC  
Modification 09/30/2002 - 09/30/2017  
Grant of Authority Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: HOU  
LOCATION: 5718 Westheimer Road, Suite 1500, Harris, Houston, TX  
29 ° 44 ' 17.70 " N LAT. 95 ° 28 ' 44.80 " W LONG.

ANTENNA ID:	HOU-1	1.8 meters	GD SATCOM	HNS-AN-180P-KU
	11700.0000 - 12200.0000 MHz		1M60G7D	OQPSK
	11700.0000 - 12200.0000 MHz		200KG7D	OQPSK
	14000.0000 - 14500.0000 MHz		1M60G7D 52.50 dBW	OQPSK
	14000.0000 - 14500.0000 MHz		200KG7D 49.40 dBW	OQPSK

**Points of Communication:**

HOU - ALSAT - (ALSAT)

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**SES-MFS-20081215-01606** E E020208 HNS License Sub, LLC  
Modification 09/27/2002 - 09/27/2017  
Grant of Authority Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: LA  
LOCATION: 2045 Sawtelle Boulevard, Los Angeles, Los Angeles, CA  
34 ° 2 ' 23.30 " N LAT. 118 ° 26 ' 35.30 " W LONG.

ANTENNA ID:	LA-1	1.8 meters	GD SATCOM	HNS-AN-180P-KU
	11700.0000 - 12200.0000 MHz		1M60G7D	OQPSK
	11700.0000 - 12200.0000 MHz		200KG7D	OQPSK
	14000.0000 - 14500.0000 MHz		1M60G7D 52.50 dBW	OQPSK
	14000.0000 - 14500.0000 MHz		200KG7D 49.40 dBW	OQPSK

**Points of Communication:**

LA - ALSAT - (ALSAT)

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SES-MFS-20081219-01662 E E030170 CapRock Communications, Inc.

Modification

10/14/2003 - 10/14/2018

Grant of Authority

Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 4400 SOUTH SAM HOUSTON PARKWAY EAST, HARRIS, HOUSTON, TX

29 ° 35 ' 54.00 " N LAT.

95 ° 20 ' 50.00 " W LONG.

ANTENNA ID:	1	7.6 meters	ANDREW	7.6 ESA	
	5925.0000 - 6425.0000 MHz		1M85G7D	76.55 dBW	DIGITAL DATA CARRIER
	5925.0000 - 6425.0000 MHz		200KG7D	66.88 dBW	DIGITAL DATA CARRIER
	3700.0000 - 4200.0000 MHz		1M85G7D		DIGITAL DATA CARRIER
	3700.0000 - 4200.0000 MHz		200KG7D		DIGITAL DATA CARRIER
ANTENNA ID:	2	2.4 meters	SEATEL	9797	
	5925.0000 - 6425.0000 MHz		1M43G7W	46.33 dBW	DIGITAL
	3700.0000 - 4200.0000 MHz		1M43G7W		DIGITAL
ANTENNA ID:	3	4.5 meters	ANDREW	4.5M	
	3700.0000 - 4200.0000 MHz		3M28G7W		DIGITAL
	3700.0000 - 4200.0000 MHz		410KG7W		DIGITAL
	5925.0000 - 6425.0000 MHz		3M28G7W	57.00 dBW	DIGITAL
	5925.0000 - 6425.0000 MHz		410KG7W	48.00 dBW	DIGITAL

**Points of Communication:**

1 - ALSAT - (ALSAT)

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

1 - INTEL 903 - (34.5 W.L.)

1 - INTELSAT 707 - (53 W.L.)

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

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

1 - SATMEX 6 - (113 W.L.)

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1 - SATMEX-5 - (116.8 W.L.)

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SES-MFS-20081220-01663 E E030253 CapRock Communications, Inc.  
Modification  
Grant of Authority

01/13/2004 - 01/13/2019

Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 4400 SOUTH SAM HOUSTON PKWY. E., HARRIS, HOUSTON, TX

29 ° 35 ' 54.00 " N LAT.

95 ° 20 ' 50.00 " W LONG.

ANTENNA ID:	1	9.3 meters	VERTEX	9.3 KPK	
14000.0000 - 14500.0000 MHz			1M85G7D	73.45 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz			200KG7D	63.78 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz			1M92G7D	57.60 dBW	DIGITAL
14000.0000 - 14500.0000 MHz			3M85G7D	60.60 dBW	DIGITAL
14000.0000 - 14500.0000 MHz			5M76G7D	62.40 dBW	DIGITAL
14000.0000 - 14500.0000 MHz			7M68G7D	63.60 dBW	DIGITAL
14000.0000 - 14500.0000 MHz			8M67G7D	64.50 dBW	DIGITAL
11700.0000 - 12200.0000 MHz			100KG7D		DIGITAL
11700.0000 - 12200.0000 MHz			150KG7D		DIGITAL
11700.0000 - 12200.0000 MHz			1M17G7D		DIGITAL
11700.0000 - 12200.0000 MHz			200KG7D		DIGITAL
11700.0000 - 12200.0000 MHz			300KG7D		DIGITAL
11700.0000 - 12200.0000 MHz			390KG7D		DIGITAL
11700.0000 - 12200.0000 MHz			50K0K7D		DIGITAL
11700.0000 - 12200.0000 MHz			780KG7D		DIGITAL
11450.0000 - 12200.0000 MHz			1M85G7D		DIGITAL DATA CARRIER
11450.0000 - 12200.0000 MHz			200KG7D		DIGITAL DATA CARRIER
10950.0000 - 11200.0000 MHz			1M85G7D		DIGITAL DATA CARRIER

10950.0000 - 11200.0000 MHz	200KG7D		DIGITAL DATA CARRIER
ANTENNA ID: 2	4.5 meters	ANDREW	ESA45-46A
5925.0000 - 6425.0000 MHz	1M85G7D	68.95 dBW	DIGITAL DATA CARRIER
5925.0000 - 6425.0000 MHz	200KG7D	59.28 dBW	DIGITAL DATA CARRIER
3700.0000 - 4200.0000 MHz	1M85G7D		DIGITAL DATA CARRIER
3700.0000 - 4200.0000 MHz	200KG7D		DIGITAL DATA CARRIER
ANTENNA ID: 3	8.1 meters	VERTEX	8.1 KPC
5925.0000 - 6425.0000 MHz	1M85G7D	77.05 dBW	DIGITAL DATA CARRIER
5925.0000 - 6425.0000 MHz	200KG7D	67.40 dBW	DIGITAL DATA CARRIER
3700.0000 - 4200.0000 MHz	1M85G7D		DIGITAL DATA CARRIERDIGITAL DATA CARRIER
3700.0000 - 4200.0000 MHz	200KG7D		DIGITAL DATA CARRIER
ANTENNA ID: 4	9 meters	VERTEX	9.0 CASSEGRAIN
5925.0000 - 6425.0000 MHz	7M16G7W	70.80 dBW	DIGITAL
3700.0000 - 4200.0000 MHz	7M16G7W		DIGITAL
3700.0000 - 4200.0000 MHz	330KG7W		DIGITAL
3700.0000 - 4200.0000 MHz	5M28G7W		DIGITAL
5920.8000 - 6425.0000 MHz	330KG7W	59.96 dBW	DIGITAL
5920.8000 - 6425.0000 MHz	5M28G7W	72.00 dBW	DIGITAL

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - AMAZONAS 1 - (61 W.L.)
- 1 - INTEL 903 - (34.5 W.L.)
- 1 - INTELSAT 707 - (53 W.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - SATMEX 6 - (113 W.L.)

SES-MFS-20081223-01695 E E030279 CapRock Communications, Inc. 01/13/2004 - 01/13/2019  
 Modification Date Effective: 02/17/2009  
 Grant of Authority

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 4400 South Sam Houston Pkwy. East, Harris, Houston, TX  
 29 ° 35 ' 54.00 " N LAT. 95 ° 20 ' 51.70 " W LONG.

ANTENNA ID:	4.57M	4.57 meters	Vertex	4.57 KPK	
	14000.0000 - 14500.0000 MHz		1M85G7D	67.55 dBW	Digital Data Carrier
	14000.0000 - 14500.0000 MHz		200KG7D	57.88 dBW	Digital Data Carrier
	11450.0000 - 12200.0000 MHz		1M85G7D		Digital Data Carrier
	11450.0000 - 12200.0000 MHz		200KG7D		Digital Data Carrier
	10950.0000 - 11200.0000 MHz		1M85G7D		Digital Data Carrier
	10950.0000 - 11200.0000 MHz		200KG7D		Digital Data Carrier
ANTENNA ID:	12.1M	12.1 meters	VERTEX	13.1KPK	
	14000.0000 - 14500.0000 MHz		1M85G7D	76.55 dBW	DIGITAL DATA CARRIER
	14000.0000 - 14500.0000 MHz		200KG7D	66.88 dBW	DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz		1M85G7D		DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz		200KG7D		DIGITAL DATA CARRIER
	10950.0000 - 11200.0000 MHz		1M85G7D		DIGITAL DATA CARRIER
	10950.0000 - 11200.0000 MHz		200KG7D		DIGITAL DATA CARRIER
ANTENNA ID:	6.1M	6.1 meters	ViaSat	8060	
	14000.0000 - 14500.0000 MHz		1M85G7D	69.95 dBW	DIGITAL DATA CARRIER
	14000.0000 - 14500.0000 MHz		200KG7D	60.28 dBW	DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz		1M85G7D		DIGITAL DATA CARRIER
	11450.0000 - 12200.0000 MHz		200KG7D		DIGITAL DATA CARRIER

10950.0000 - 11200.0000 MHz	1M85G7D		DIGITAL DATA CARRIER
10950.0000 - 11200.0000 MHz	200KG7D		DIGITAL DATA CARRIER
ANTENNA ID: 6.1M Verte	6.1 meters	Vertex	6.1KPK
11700.0000 - 12200.0000 MHz	1M60G7W		DIGITAL
11700.0000 - 12200.0000 MHz	200KG7W		DIGITAL
11700.0000 - 12200.0000 MHz	400KG7W		DIGITAL
11700.0000 - 12200.0000 MHz	800KG7W		DIGITAL
14000.0000 - 14500.0000 MHz	4M40G7W	68.76 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	5M86G7W	70.00 dBW	DIGITAL
14000.0000 - 14500.0000 MHz	8M79G7W	71.76 dBW	DIGITAL
ANTENNA ID: 3.8m Patri	3.8 meters	Patriot	3.8m
3700.0000 - 4200.0000 MHz	290KG7W		DIGITAL
5925.0000 - 6425.0000 MHz	1M58G7W	56.56 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	290KG7W	49.20 dBW	DIGITAL
3700.0000 - 4200.0000 MHz	1M580G7W		DIGITAL

**Points of Communication:**

- 1 - ALSAT - (ALSAT)
- 1 - AMAZONAS 1 - (61 W.L.)
- 1 - INTEL 903 - (34.5 W.L.)
- 1 - INTELSAT 707 - (53 W.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - SATMEX 6 - (113 W.L.)
- 1 - SATMEX-5 - (116.8 W.L.)

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**SES-MOD-20090107-00006**    E E871193    Arizona Board of Regents for Arizona State University  
 Application for Modification    04/01/1999 - 04/01/2009  
 Grant of Authority    Date Effective:    02/17/2009

**Class of Station:**    Fixed Earth Stations

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**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 555 NORTH CENTRAL AVE., PHOENIX, AZ  
33 ° 27 ' 14.39 " N LAT.

112 ° 46 ' 23.34 " W LONG.

ANTENNA ID:	1	3.7 meters	ANDREW	ES73MPJK-1
14000.0000 - 14500.0000 MHz		6M00G7W	70.46 dBW	6MHZ DIGITAL TV
14000.0000 - 14500.0000 MHz		9M00G7W	72.22 dBW	9MHZ DIGITAL TV
14000.0000 - 14500.0000 MHz		18M0G7W	75.23 dBW	18MHZ DIGITAL TV
14000.0000 - 14500.0000 MHz		36M0G7W	78.20 dBW	36MHZ DIGITAL TV
14000.0000 - 14500.0000 MHz		3M50G7W	68.12 dBW	3.5MHZ DIGITAL TV
14000.0000 - 14500.0000 MHz		5M50G7W	70.08 dBW	5.5MHZ DIGITAL TV
14000.0000 - 14500.0000 MHz		1M98G7W	65.64 dBW	1.98MHZ DIGITAL TV
14000.0000 - 14500.0000 MHz		18M0F8F	71.68 dBW	HALF 18MHZ ANALOG TV WITH AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz		36M0F8F	71.68 dBW	FULL 36MHZ ANALOG TV WITH AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz		6M00G7W		6MHZ DIGITAL TV
11700.0000 - 12200.0000 MHz		9M00G7W		9MHZ DIGITAL TV
11700.0000 - 12200.0000 MHz		18M0G7W		18MHZ DIGITAL TV
11700.0000 - 12200.0000 MHz		36M0G7W		36MHZ DIGITAL TV
11700.0000 - 12200.0000 MHz		3M50G7W		3.5MHZ DIGITAL TV
11700.0000 - 12200.0000 MHz		5M50G7W		5.5MHZ DIGITAL TV
11700.0000 - 12200.0000 MHz		1M98G7W		1.98MHZ DIGITAL TV
11700.0000 - 12200.0000 MHz		18M0F8F		HALF 18MHZ ANALOG TV WITH AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz		36M0F8F		FULL 36MHZ ANALOG TV WITH AUDIO SUBCARRIERS

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20090211-00163 E E881160 Ascent Media Network Services, LLC  
Renewal 02/17/2009 - 02/17/2024  
Grant of Authority Date Effective: 02/13/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: 238-244-PEGASUS AVENUE, BERGEN, NORTHVALE, NJ  
41 ° 0 ' 55.40 " N LAT. 73 ° 56 ' 36.50 " W LONG.

ANTENNA ID: 1 9 meters VERTEX 9KPC

5925.0000 - 6425.0000 MHz 36M0F3F 81.00 dBW

3700.0000 - 4200.0000 MHz 36M0F3F

ANTENNA ID: 2 7 meters SCIENTIFIC-ATLANTA 8010

5925.0000 - 6425.0000 MHz 36M0G7F 74.20 dBW DIGITAL VIDEO

5925.0000 - 6425.0000 MHz 36M0F8F 75.90 dBW ANALOG VIDEO

5925.0000 - 6425.0000 MHz 1M54G7D- 72.60 dBW DIGITAL DATA

5925.0000 - 6425.0000 MHz 2M27G7D 74.20 dBW DIGITAL DATA

5925.0000 - 6425.0000 MHz 2M28G7D- 74.20 dBW DIGITAL DATA

5925.0000 - 6425.0000 MHz 27M0G7D 74.20 dBW DIGITAL DATA

3700.0000 - 4200.0000 MHz 36M0G7F DIGITAL VIDEO

3700.0000 - 4200.0000 MHz 36M0F8F ANALOG VIDEO

3700.0000 - 4200.0000 MHz 1M54G7D- DIGITAL DATA

3700.0000 - 4200.0000 MHz 27M0G7D DIGITAL DATA

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20090211-00169 E E980526 Intelsat LLC  
Renewal 03/04/2009 - 03/04/2024  
Grant of Authority Date Effective: 02/13/2009

**Class of Station:** Fixed Earth Stations

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

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SITE ID: 1  
LOCATION: 22001 COMSAT Drive, Clarksburg, MD  
39 ° 12 ' 55.00 " N LAT. 77 ° 16 ' 27.00 " W LONG.

ANTENNA ID: 1 3.7 meters Andrew Corporation ES37K-C  
6184.0000 - 6256.0000 MHz 3M00G7D 59.90 dBW IBS  
3700.0000 - 4200.0000 MHz 3M00G7D IBS

**Points of Communication:**

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

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SES - RWL - 20090211 - 00170 E E880423 QUALCOMM Incorporated  
Renewal 02/14/2009 - 02/14/2024  
Grant of Authority Date Effective: 02/13/2009

**Class of Station:** Blanket Earth Stations

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

SITE ID: REMOTE 1  
LOCATION: VSAT 0.8M. U.S. AK HI PR CANADA, CONUS, 400,600 UNITS

ANTENNA ID: REMOTE 1 0.08 meters QUALCOMM INCORPORATED 10-J5226-1  
14000.0000 - 14500.0000 MHz 48M0F1D 20.00 dBW FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM  
14000.0000 - 14500.0000 MHz 36M0F1D 20.00 dBW FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM  
14000.0000 - 14500.0000 MHz 48M0F1D 20.00 dBW FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM  
11700.0000 - 12200.0000 MHz 2M00G1D OMNITRACS FORWARD LINK DATA (MODE B)  
11700.0000 - 12200.0000 MHz 36M0F1D FREQUENCY HOPPED, DIRECT SEQUENCE SPREAD SPECTRUM  
11700.0000 - 12200.0000 MHz 2M50G7D OMNI-2 FORWARD LINK DATA (QPSK)  
11700.0000 - 12200.0000 MHz 2M00G1D OMNITRACS FORWARD LINK DATA (MODE B)

**Points of Communication:**

REMOTE 1 - ALSAT - (ALSAT)

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**SES-RWL-20090213-00181** E E890095 WSKG PUBLIC TELECOMMUNICATIONS COUNCIL  
Renewal 04/07/2009 - 04/07/2024  
Grant of Authority Date Effective: 02/17/2009

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: GATES ROAD, BROOME, VESTAL, NY  
42 ° 6 ' 17.00 " N LAT. 75 ° 59 ' 13.00 " W LONG.

ANTENNA ID: 1 3.8 meters COMTECH 934D0015-G2  
3700.0000 - 4200.0000 MHz 180KF3E  
3700.0000 - 4200.0000 MHz 30K0F1D

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-STA-20090210-00162** E E060179 THRANE & THRANE AIRTIME LTD.  
Special Temporary Authority  
Grant of Authority Date Effective: 02/13/2009

**Class of Station:**

Extension of special temporary authority is GRANTED with condition for an additional 60 days beginning February 16, 2009 and ending April 16, 2009.

**Points of Communication:**

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**SES-STA-20090212-00177** E WB36 Vizada, Inc.  
Special Temporary Authority  
Date Effective:

**Class of Station:**

Extension of special temporary authority is GRANTED for an additional 60 days beginning February 15, 2009 and ending April 16, 2009.

**Points of Communication:**

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**SES-STA-20090212-00178** E WB36 Vizada, Inc.  
Special Temporary Authority  
Grant of Authority Date Effective: 02/17/2009

**Class of Station:**

Extension of special temporary authority is GRANTED with condition for an additional 60 days beginning February 16, 2009 and ending April 16, 2009.

**Points of Communication:**

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**SES-STA-20090213-00180** E E010011 Deere & Company  
Special Temporary Authority  
Grant of Authority

Date Effective: 02/17/2009

**Class of Station:**

Extension of special temporary authority is GRANTED for an additional 60 days beginning February 18, 2009 and ending April 19, 2009.

**Points of Communication:**

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**SES-T/C-20090206-00155** E E8184 WBTV License Subsidiary, LLC  
Application for Consent to Transfer of Control  
Grant of Authority

Date Effective: 02/13/2009

**Current Licensee:** WBTV License Subsidiary, LLC

**FROM:** Raycom Holdings, LLC

**TO:** Raycom TV Broadcasting, LLC

No. of Station(s) listed: 1

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**SES-T/C-20090210-00165** E E060155 KYTX LICENSE COMPANY, LLC  
Application for Consent to Transfer of Control  
Grant of Authority

Date Effective: 02/13/2009

**Current Licensee:** KYTX LICENSE COMPANY, LLC

**FROM:** KYTX LICENSE COMPANY, LLC

**TO:** KYTX LICENSE COMPANY, LLC

No. of Station(s) listed: 1

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**SES-T/C-20090210-00166** E E040037 KYTX LICENSE COMPANY, LLC  
Application for Consent to Transfer of Control  
Grant of Authority

Date Effective: 02/13/2009

**Current Licensee:** KYTX LICENSE COMPANY, LLC

**FROM:** KYTX LICENSE COMPANY, LLC

**TO:** KYTX LICENSE COMPANY, LLC

No. of Station(s) listed: 1

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**Dismissal**

**SES-STA-20090112-00025** E080168 Sirius XM Radio Inc.

Special temporary authority is dismissed as Moot, due to license granted February 17, 2009, see File No. SES-LIC-20080714-00933.

**SES-STA-20090212-00179** E030253 CapRock Communications, Inc.

Extension of special temporary authority is dismissed as Moot, due to underlying application is granted. See File No. SES-MFS-20081220-01663.

**SURRENDER**

**SES-LIC-19990818-01449** E990353 SES Americom, Inc.

Licensee has surrendered earth station license per letter dated February 2, 2009.

**SES-LIC-19991108-02018** E990515 RELAY HOUSE INC

Licensee has surrendered earth station license per letter dated September 20, 2006.

**SES-LIC-20020929-01692** E020274 Florida Power & Light Company

Licensee has surrendered earth station license per letter dated February 11, 2009.

**SES-LIC-20021024-01816** E020295 Florida Power & Light Company

Licensee has surrendered earth station license per letter dated February 11, 2009.

**SES-LIC-20060511-00786** E060161 Florida Power & Light Company

Licensee has surrendered earth station license per letter dated February 11, 2009.

**SES-LIC-20061004-01800** E060369 Florida Power & Light Company

**SURRENDER**

Licensee has surrendered earth station license per letter dated February 11, 2009.

**SES-MOD-20000607-00914**      E990398      Peak Uplink, Inc

Licensee has surrendered earth station license per letter dated September 9, 2008.

**SES-MOD-20020920-01636**      WE87      Americom Government Services, Inc.

Licensee has surrendered earth station license per letter dated January 21, 2009.

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