



# PUBLIC NOTICE

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

News media information 202-418-0500  
Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)  
TTY (202) 418-2555

Report No. SES-01329

Wednesday March 16, 2011

## SATELLITE COMMUNICATIONS SERVICES INFORMATION

### RE: ACTIONS TAKEN

The Commission, by its International Bureau, took the following actions pursuant to delegated authority. The effective dates of the actions are the dates specified.

SES-AFS-20101102-01376 E E940532 INTELSAT LICENSE LLC  
Amendment  
Grant of Authority Date Effective: 03/09/2011

Class of Station: Fixed Earth Stations

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

SITE ID: Ellenwood  
LOCATION: 2857 Fork Creek Church Road, DEKALB, ELLENWOOD, GA  
33 ° 39 ' 50.40 " N LAT. 84 ° 16 ' 18.70 " W LONG.

ANTENNA ID:	7.2M	7.2 meters	GENERAL DYNAMICS	7.2KPK
	14497.6000 - 14498.4000 MHz	670KF1D	86.00 dBW	FM-COMMAND & / or Ranging tones
	14000.0000 - 14500.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
	14000.0000 - 14500.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
	14000.0000 - 14500.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
	14000.0000 - 14500.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
	14000.0000 - 14250.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
	14000.0000 - 14250.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM

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14000.0000 - 14250.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
14000.0000 - 14250.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
14000.0000 - 14250.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
14000.0000 - 14250.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
14000.0000 - 14250.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
13998.6000 - 13999.4000 MHz	670KF1D	83.50 dBW	FM-COMMAND & / or Ranging tones
13997.5000 - 13998.5000 MHz	890KF2D	83.50 dBW	FM-COMMAND & / or Ranging tones
13954.0000 - 13992.0000 MHz	36M0G7W	75.00 dBW	Digital TV - MCPC
13954.0000 - 13992.0000 MHz	18M0G7W	72.00 dBW	Digital TV - MCPC
13814.0000 - 13954.0000 MHz	36M0F9W	75.00 dBW	TELEVISION/FM
13814.0000 - 13954.0000 MHz	18M0F9W	72.00 dBW	TELEVISION/FM
13814.0000 - 13954.0000 MHz	36M0G7W	75.00 dBW	DIGITAL TV-SCPC
13814.0000 - 13954.0000 MHz	18M0G7W	72.00 dBW	DIGITAL TV-SCPC
13814.0000 - 13954.0000 MHz	6M85G7W	69.00 dBW	DIGITAL TV-SCPC
13814.0000 - 13954.0000 MHz	2M90G7W	70.40 dBW	DIGITAL TV-SCPC
13814.0000 - 13954.0000 MHz	2M20G2W	69.20 dBW	SCPC DATA
13814.0000 - 13954.0000 MHz	375KG2W	68.00 dBW	SCPC DATA
13756.0000 - 13814.0000 MHz	36M0G7W	75.00 dBW	Digital TV - MCPC
13756.0000 - 13814.0000 MHz	18M0G7W	72.00 dBW	Digital TV - MCPC
12750.0000 - 13250.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
12750.0000 - 13250.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
12750.0000 - 13250.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
12750.0000 - 13250.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA

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11700.0000 - 12200.0000 MHz	30M0F8F	TELEVISION/FM
11700.0000 - 12200.0000 MHz	16M0F8F	TELEVISION/FM
11700.0000 - 12200.0000 MHz	2M70G7F	DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	6M40G7F	DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	24M0G7F	Digital TV - MCPC
11700.0000 - 12200.0000 MHz	1M36G2W	SCPC DATA
11450.9000 - 11451.1000 MHz	80K0P7D	PM/PSK - 2 - Telemetry
11450.0000 - 11700.0000 MHz	30M0F8F	TELEVISION/FM
11450.0000 - 11700.0000 MHz	16M0F8F	TELEVISION/FM
11450.0000 - 11700.0000 MHz	2M70G7F	DIGITAL TV - SCPC
11450.0000 - 11700.0000 MHz	6M40G7F	DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	24M0G7F	Digital TV - MCPC
11450.0000 - 11700.0000 MHz	1M36G2W	SCPC DATA
11446.9000 - 11449.1000 MHz	180KP7D	PM/PSK - 2 - Telemetry
11200.0000 - 11450.0000 MHz	30M0F8F	TELEVISION/FM
11200.0000 - 11450.0000 MHz	16M0F8F	TELEVISION/FM
11200.0000 - 11450.0000 MHz	2M70G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	6M40G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	24M0G7F	Digital TV - MCPC
11200.0000 - 11450.0000 MHz	1M36G2W	SCPC DATA
10950.0000 - 11200.0000 MHz	18M0F9W	Analog TV/FM
10950.0000 - 11200.0000 MHz	18M0G7W	Digital TV - SCPC
10950.0000 - 11200.0000 MHz	6M85G7W	Digital TV - SCPC

10950.0000 - 11200.0000 MHz	2M90G7W		Digital TV - MCPC
10950.0000 - 11200.0000 MHz	2M20G7W		Digital TV - SCPC
10950.0000 - 11200.0000 MHz	375KG7W		SCPC DATA
10950.0000 - 11200.0000 MHz	36M0F9W		Analog TV/FM
10950.0000 - 11200.0000 MHz	36M0G7W		Digital TV - SCPC
10700.0000 - 10950.0000 MHz	30M0F8F		TELEVISION/FM
10700.0000 - 10950.0000 MHz	16M0F8F		TELEVISION/FM
10700.0000 - 10950.0000 MHz	2M70G7F		DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	6M40G7F		DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	8M00G7F		DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	24M0G7F		Digital TV - MCPC
10700.0000 - 10950.0000 MHz	1M36G2W		SCPC DATA
10950.0000 - 11200.0000 MHz	300KF3D		TT&C CARRIER
11450.0000 - 12200.0000 MHz	300KF3D		TT&C CARRIER
13750.0000 - 13772.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
14000.0000 - 14500.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
10950.0000 - 11200.0000 MHz	1M00G7F		DIGITAL VIDEO
10950.0000 - 11200.0000 MHz	36M0G7F		DIGITAL VIDEO
11450.0000 - 12200.0000 MHz	1M00G7F		DIGITAL VIDEO
11450.0000 - 12200.0000 MHz	36M0G7F		DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	1M00G7F	68.40 dBW	DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	36M0G7F	83.90 dBW	DIGITAL VIDEO
13772.0000 - 13778.0000 MHz	6M00G7W	70.00 dBW	DIGITAL VIDEO, AUDIO AND DATA
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA
10950.0000 - 11200.0000 MHz	56K0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA

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11450.0000 - 12200.0000 MHz	56K0G7W		DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	83.90 dBW	DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	56K0G7W	55.90 dBW	DIGITAL VIDEO, AUDIO AND DATA
13778.0000 - 14000.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
13246.5000 - 13246.5000 MHz	750KF2D	78.40 dBW	TT&C CARRIER
13995.5000 - 13995.5000 MHz	750KF2D	78.40 dBW	TT&C CARRIER
13750.0000 - 13772.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
13778.0000 - 14000.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
14000.0000 - 14500.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
14000.0000 - 14500.0000 MHz	1M00G7F	68.40 dBW	DITGITAL VIDEO
14000.0000 - 14500.0000 MHz	36M0G7F	83.90 dBW	DIGITAL VIDEO
13772.0000 - 13778.0000 MHz	6M00G7W	70.00 dBW	DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	83.90 dBW	DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	56K0G7W	55.90 dBW	DIGITAL VIDEO, AUDIO AND DATA
11449.0000 - 11449.0000 MHz	300KF2D		TT&C CARRIER
11448.0000 - 11448.0000 MHz	300KF2D		TT&C CARRIER
10950.0000 - 11200.0000 MHz	300KF3D		TT&C CARRIER
11450.0000 - 12200.0000 MHz	300KF3D		TT&C CARRIER
10950.0000 - 11200.0000 MHz	1M00G7F		DIGITAL VIDEO
10950.0000 - 11200.0000 MHz	36M0G7F		DIGITAL VIDEO
11450.0000 - 12200.0000 MHz	1M00G7F		DIGITAL VIDEO
11450.0000 - 12200.0000 MHz	36M0G7F		DIGITAL VIDEO
10950.0000 - 11200.0000 MHz	36M0G7F		DIGITAL VIDEO, AUDIO AND DATA
10950.0000 - 11200.0000 MHz	56K0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 12200.0000 MHz	56K0G7W		DIGITAL VIDEO, AUDIO AND DATA

ANTENNA ID:	11.1M/K3	11.1 meters	VERTEX	11 KPK
	14497.6000 - 14498.4000 MHz	670KF1D	86.00 dBW	FM-COMMAND & / or Ranging tones
	14000.0000 - 14500.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
	14000.0000 - 14500.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
	14000.0000 - 14500.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
	14000.0000 - 14500.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
	14000.0000 - 14250.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
	14000.0000 - 14250.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
	14000.0000 - 14250.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
	14000.0000 - 14250.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
	14000.0000 - 14250.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
	14000.0000 - 14250.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
	14000.0000 - 14250.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
	13998.6000 - 13999.4000 MHz	670KF1D	83.50 dBW	FM-COMMAND & / or Ranging tones
	13997.5000 - 13998.5000 MHz	890KF2D	83.50 dBW	FM-COMMAND & / or Ranging tones
	13954.0000 - 13992.0000 MHz	36M0G7W	75.00 dBW	Digital TV - MCPC
	13954.0000 - 13992.0000 MHz	18M0G7W	72.00 dBW	Digital TV - MCPC
	13814.0000 - 13954.0000 MHz	36M0F9W	75.00 dBW	ANALOG TV
	13814.0000 - 13954.0000 MHz	18M0F9W	72.00 dBW	ANALOG TV
	13814.0000 - 13954.0000 MHz	36M0G7W	75.00 dBW	Digital TV - SCPC
	13814.0000 - 13954.0000 MHz	18M0G7W	72.00 dBW	Digital TV - SCPC
	13814.0000 - 13954.0000 MHz	6M85G7W	69.00 dBW	Digital TV - SCPC
	13814.0000 - 13954.0000 MHz	2M90G7W	70.40 dBW	Digital TV - MCPC

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13814.0000 - 13954.0000 MHz	2M20G7W	69.20 dBW	Digital TV - SCPC
13814.0000 - 13954.0000 MHz	375KG7W	68.00 dBW	Digital TV - SCPC
13756.0000 - 13814.0000 MHz	36M0G7W	75.00 dBW	Digital TV - MCPC
13756.0000 - 13814.0000 MHz	18M0G7W	72.00 dBW	Digital TV - MCPC
12750.0000 - 13250.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
12750.0000 - 13250.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
12750.0000 - 13250.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
12750.0000 - 13250.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
11700.0000 - 12200.0000 MHz	30M0F8F		TELEVISION/FM
11700.0000 - 12200.0000 MHz	16M0F8F		TELEVISION/FM
11700.0000 - 12200.0000 MHz	2M70G7F		DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	6M40G7F		DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	8M00G7F		DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	24M0G7F		Digital TV - MCPC
11700.0000 - 12200.0000 MHz	1M36G2W		SCPC DATA
11450.9000 - 11451.1000 MHz	80K0P7D		PM/PSK - 2 - Telemetry
11450.0000 - 11700.0000 MHz	30M0F8F		TELEVISION/FM
11450.0000 - 11700.0000 MHz	16M0F8F		TELEVISION/FM
11450.0000 - 11700.0000 MHz	2M70G7F		DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	6M40G7F		DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	8M00G7F		DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	24M0G7F		Digital TV - MCPC
11450.0000 - 11700.0000 MHz	1M36G2W		SCPC DATA

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11446.9000 - 11449.1000 MHz	180KP7D	PM/PSK - 2 - Telemetry
11200.0000 - 11450.0000 MHz	30M0F8F	TELEVISION/FM
11200.0000 - 11450.0000 MHz	16M0F8F	TELEVISION/FM
11200.0000 - 11450.0000 MHz	2M70G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	6M40G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	24M0G7F	Digital TV - MCPC
11200.0000 - 11450.0000 MHz	1M36G2W	SCPC DATA
10700.0000 - 10950.0000 MHz	30M0F8F	TELEVISION/FM
10700.0000 - 10950.0000 MHz	16M0F8F	TELEVISION/FM
10700.0000 - 10950.0000 MHz	2M70G7F	DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	6M40G7F	DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	8M00G7F	DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	24M0G7F	Digital TV - MCPC
10700.0000 - 10950.0000 MHz	1M36G2W	SCPC DATA

**Points of Communication:**

Ellenwood - ALSAT - (ALSAT)

Ellenwood - INTELSAT 11 - (43.0 W.L.)

Ellenwood - INTELSAT IR - (310.0 E.L.)

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**SES-ASG-20110121-00050** E E920281 BAJA BROADBAND OPERATING COMPANY, LLC

Application for Consent to Assignment

Consummated

Date Effective: 01/21/2011

**Current Licensee:** BAJA BROADBAND OPERATING COMPANY, LLC

**FROM:** BAJA BROADBAND OPERATING COMPANY, LLC

**TO:** SATVIEW BROADBAND LTD

No. of Station(s) listed: 1

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**SES-ASG-20110211-00149** E E050135 VERIZON NORTH LLC  
 Application for Consent to Assignment  
 Grant of Authority Date Effective: 03/09/2011

**Current Licensee:** VERIZON NORTH INC.  
**FROM:** VERIZON NORTH INC.  
**TO:** VERIZON NORTH LLC

No. of Station(s) listed: 1

**SES-ASG-20110217-00178** E E7826 NBC TELEMUNDO LICENSE CO.  
 Application for Consent to Assignment  
 Grant of Authority Date Effective: 03/11/2011

**Current Licensee:** NBC TELEMUNDO LICENSE CO.  
**FROM:** NBC TELEMUNDO LICENSE CO.  
**TO:** NBC TELEMUNDO LICENSE LLC

No. of Station(s) listed: 3

**SES-LIC-20100921-01195** E E100106 THE BOEING COMPANY  
 Application for Authority 03/11/2011 - 03/11/2026  
 Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1  
**LOCATION:** 20403 68TH AVE. S. (3.9M. KA-), KING, KENT, WA  
 47 ° 25 ' 8.00 " N LAT. 122 ° 15 ' 10.00 " W LONG.

ANTENNA ID:	3.9M. KA	3.9 meters	GENERAL DYNAMICS	VERTEX RSI 3.9M FMA
	28350.0000 - 28600.0000 MHz	39M0G7D	75.10 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	38M0G7D	75.00 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	36M0G7D	74.80 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	34M0G7D	74.50 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	32M0G7D	74.30 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	30M0G7D	74.00 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	29M0G7D	73.90 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	28M0G7D	73.70 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	26M0G7D	73.40 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	24M0G7D	72.90 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	22M0G7D	72.60 dBW	DIGITAL DATA CARRIER
	28350.0000 - 28600.0000 MHz	20M0G7D	72.10 dBW	DIGITAL DATA CARRIER

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28350.0000 - 28600.0000 MHz	18M0G7D	71.80 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	18M0G7D	71.80 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	20M0G7D	72.10 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	22M0G7D	72.60 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	24M0G7D	72.90 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	26M0G7D	73.40 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	28M0G7D	73.70 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	29M0G7D	73.90 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	30M0G7D	74.00 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	32M0G7D	74.30 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	34M0G7D	74.50 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	36M0G7D	74.80 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	38M0G7D	75.00 dBW	DIGITAL DATA CARRIER
29250.0000 - 30000.0000 MHz	39M0G7D	75.10 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	39M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	38M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	36M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	34M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	32M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	30M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	29M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	28M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	26M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	24M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	22M0G7D	0.00 dBW	DIGITAL DATA CARRIER
18300.0000 - 18800.0000 MHz	20M0G7D	0.00 dBW	DIGITAL DATA CARRIER

18300.0000 - 18800.0000 MHz	18M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	18M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	20M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	22M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	24M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	26M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	28M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	29M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	30M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	32M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	34M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	36M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	38M0G7D	0.00 dBW	DIGITAL DATA CARRIER
19700.0000 - 20200.0000 MHz	39M0G7D	0.00 dBW	DIGITAL DATA CARRIER

**Points of Communication:**

1 - AMC-15 - (105 W.L.)

1 - AMC-16 - (85 W.L.)

1 - GALAXY 28 - (89.0 W.L.)

**SES-LIC-20100930-01245** E E100110 TELESAT

Application for Authority

03/15/2011 - 03/15/2026

Grant of Authority

Date Effective: 03/15/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: Anchorage

LOCATION: 5376 Lambert Avenue (HUB 1), Greater Anchorage Boro, Anchorage-Elmendorf, AK

61 ° 14 ' 7.30 " N LAT.

149 ° 49 ' 24.30 " W LONG.

ANTENNA ID: Hub 1 7.3 meters Andrew ES 7.3

3762.0000 - 3782.0000 MHz 853KG7D Digital Data

5987.0000 - 6007.0000 MHz 853KG7D 55.00 dBW Digital Data



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SITE ID: Remote 6  
LOCATION: Pouch 34-0099, North Slope Borough, Prudhoe Bay -Oliktok, AK  
70 ° 29 ' 52.40 " N LAT. 149 ° 53 ' 24.40 " W LONG.

ANTENNA ID: Oliktok 4.8 meters General Dynamics 4.8M  
3762.0000 - 3782.0000 MHz 853KG7D Digital Data  
5987.0000 - 6007.0000 MHz 853KG7D 55.00 dBW Digital Data

SITE ID: Remote 7  
LOCATION: PO Box TNC, Nome Borough, Nome (Tin City), AK  
65 ° 34 ' 1.10 " N LAT. 167 ° 58 ' 29.70 " W LONG.

ANTENNA ID: Tin City 4.8 meters General Dynamics 4.8M  
3762.0000 - 3782.0000 MHz 853KG7D Digital Data  
5987.0000 - 6007.0000 MHz 853KG7D 55.00 dBW Digital Data

SITE ID: Remote 3  
LOCATION: PO Box 432, NW Arctic Borough, Kotzebue -Cape Lisbu, AK  
68 ° 52 ' 17.40 " N LAT. 166 ° 5 ' 32.40 " W LONG.

ANTENNA ID: Cape Lisbu 4.8 meters General Dynamics 4.8M  
3762.0000 - 3782.0000 MHz 853KG7D Digital Data  
5987.0000 - 6007.0000 MHz 853KG7D 55.00 dBW Digital Data

**Points of Communication:**

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

Anchorage - ANIK-F2 - (111.1 W.L.)

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

Remote 1 - ANIK-F2 - (111.1 W.L.)

Remote 2 - ANIK F3 - (118.7 W.L.)

Remote 2 - ANIK-F2 - (111.1 W.L.)

Remote 3 - ANIK F3 - (118.7 W.L.)

Remote 3 - ANIK-F2 - (111.1 W.L.)

Remote 4 - ANIK F3 - (118.7 W.L.)

Remote 4 - ANIK-F2 - (111.1 W.L.)

Remote 5 - ANIK F3 - (118.7 W.L.)

Remote 5 - ANIK-F2 - (111.1 W.L.)

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Remote 6 - ANIK F3 - (118.7 W.L.)

Remote 6 - ANIK-F2 - (111.1 W.L.)

Remote 7 - ANIK F3 - (118.7 W.L.)

Remote 7 - ANIK-F2 - (111.1 W.L.)

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**SES-LIC-20110125-00064** E E110005 VIASAT, INC.

Application for Authority

03/08/2011 - 03/08/2026

Grant of Authority

Date Effective: 03/08/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 58-350 Kamehameha Hwy, Honolulu, Haleiwa, HI

21 ° 40 ' 15.00 " N LAT.

158 ° 2 ' 4.00 " W LONG.

ANTENNA ID:	1	3.8 meters	Prodelin	1385-350
14000.0000 - 14500.0000 MHz		600KG7D	60.90 dBW	QPSK, Digital Data
14000.0000 - 14500.0000 MHz		1M50G7D	64.90 dBW	QPSK, Digital Data
14000.0000 - 14500.0000 MHz		3M00G7D	66.50 dBW	QPSK, Digital Data
11700.0000 - 12200.0000 MHz		36M0G7D		QPSK, Digital Data

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20110208-00117** E E110007 Denali 20020, LLC

Application for Authority

03/10/2011 - 03/10/2026

Grant of Authority

Date Effective: 03/10/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: Defense Media Activity Center 6225 Rock Ave., Anne Arundel, Ft. Meade, MD

39 ° 5 ' 27.56 " N LAT.

76 ° 44 ' 38.02 " W LONG.

ANTENNA ID:	1	6.3 meters	Vertex RSI	6.3 Meter
14000.0000 - 14500.0000 MHz		1M23G7W	68.37 dBW	Digital Data Carrier
14000.0000 - 14500.0000 MHz		9M00G7W	77.02 dBW	Digital Data Carrier
11700.0000 - 12200.0000 MHz		1M23G7W		Digital Data Carrier

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11700.0000 - 12200.0000 MHz

9M00G7W

Digital Data Carrier

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-LIC-20110208-00118** E E110008 Denali 20020, LLC

Application for Authority

03/10/2011 - 03/10/2026

Grant of Authority

Date Effective: 03/10/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 23755 Z Street Defense Media Center, Riverside, Riverside, CA

33 ° 54 ' 23.00 " N LAT.

117 ° 14 ' 57.50 " W LONG.

ANTENNA ID:	1	6.3 meters	Vertex RSI	6.3 Meter
5925.0000 - 5959.0000 MHz		1M23G7W	56.27 dBW	Digital Data Carrier
5991.0000 - 6107.0000 MHz		1M23G7W	56.27 dBW	Digital Data Carrier
6139.0000 - 6181.0000 MHz		1M23G7W	56.27 dBW	Digital Data Carrier
6243.0000 - 6270.0000 MHz		1M23G7W	56.27 dBW	Digital Data Carrier
6332.0000 - 6425.0000 MHz		1M23G7W	56.27 dBW	Digital Data Carrier
5925.0000 - 5959.0000 MHz		9M00G7W	64.92 dBW	Digital Data Carrier
5991.0000 - 6107.0000 MHz		9M00G7W	64.92 dBW	Digital Data Carrier
6139.0000 - 6181.0000 MHz		9M00G7W	64.92 dBW	Digital Data Carrier
6243.0000 - 6270.0000 MHz		9M00G7W	64.92 dBW	Digital Data Carrier
6332.0000 - 6425.0000 MHz		9M00G7W	64.92 dBW	Digital Data Carrier
3700.0000 - 4200.0000 MHz		1M23G7W		Digital Data Carrier
3700.0000 - 4200.0000 MHz		9M00G7W		Digital Data Carrier

**Points of Communication:**

1 - AMC 9 - (83 W.L.)

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**SES-MFS-20090717-00872** E E940532 INTELSAT LICENSE LLC

Modification

12/23/2004 - 12/23/2019

Grant of Authority

Date Effective: 03/09/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: Ellenwood

LOCATION: 2857 Fork Creek Church Road, DEKALB, ELLENWOOD, GA

33 ° 39 ' 50.40 " N LAT.

84 ° 16 ' 18.70 " W LONG.

ANTENNA ID:	7.2M	7.2 meters	GENERAL DYNAMICS	7.2KPK
	14497.6000 - 14498.4000 MHz		670KF1D 86.00 dBW	FM-COMMAND & / or Ranging tones
	14000.0000 - 14500.0000 MHz		30M0F8F 84.00 dBW	TELEVISION/FM
	14000.0000 - 14500.0000 MHz		16M0F8F 81.00 dBW	TELEVISION/FM
	14000.0000 - 14500.0000 MHz		2M70G7F 63.60 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz		6M40G7F 66.70 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz		8M00G7F 67.50 dBW	DIGITAL TV-SCPC
	14000.0000 - 14500.0000 MHz		24M0G7F 82.40 dBW	Digital TV - MCPC
	14000.0000 - 14500.0000 MHz		1M36G2W 60.40 dBW	SCPC DATA
	14000.0000 - 14250.0000 MHz		30M0F8F 84.00 dBW	TELEVISION/FM
	14000.0000 - 14250.0000 MHz		16M0F8F 81.00 dBW	TELEVISION/FM
	14000.0000 - 14250.0000 MHz		2M70G7F 63.60 dBW	DIGITAL TV-SCPC
	14000.0000 - 14250.0000 MHz		6M40G7F 66.70 dBW	DIGITAL TV-SCPC
	14000.0000 - 14250.0000 MHz		8M00G7F 67.50 dBW	DIGITAL TV-SCPC
	14000.0000 - 14250.0000 MHz		24M0G7F 82.40 dBW	Digital TV - MCPC
	14000.0000 - 14250.0000 MHz		1M36G2W 60.40 dBW	SCPC DATA
	13998.6000 - 13999.4000 MHz		670KF1D 83.50 dBW	FM-COMMAND & / or Ranging tones
	13997.5000 - 13998.5000 MHz		890KF2D 83.50 dBW	FM-COMMAND & / or Ranging tones
	13954.0000 - 13992.0000 MHz		36M0G7W 75.00 dBW	Digital TV - MCPC
	13954.0000 - 13992.0000 MHz		18M0G7W 72.00 dBW	Digital TV - MCPC
	13814.0000 - 13954.0000 MHz		36M0F9W 75.00 dBW	TELEVISION/FM
	13814.0000 - 13954.0000 MHz		18M0F9W 72.00 dBW	TELEVISION/FM
	13814.0000 - 13954.0000 MHz		36M0G7W 75.00 dBW	DIGITAL TV-SCPC



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13814.0000 - 13954.0000 MHz	18M0G7W	72.00 dBW	DIGITAL TV-SCPC
13814.0000 - 13954.0000 MHz	6M85G7W	69.00 dBW	DIGITAL TV-SCPC
13814.0000 - 13954.0000 MHz	2M90G7W	70.40 dBW	DIGITAL TV-SCPC
13814.0000 - 13954.0000 MHz	2M20G2W	69.20 dBW	SCPC DATA
13814.0000 - 13954.0000 MHz	375KG2W	68.00 dBW	SCPC DATA
13756.0000 - 13814.0000 MHz	36M0G7W	75.00 dBW	Digital TV - MCPC
13756.0000 - 13814.0000 MHz	18M0G7W	72.00 dBW	Digital TV - MCPC
12750.0000 - 13250.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
12750.0000 - 13250.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
12750.0000 - 13250.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
12750.0000 - 13250.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
11700.0000 - 12200.0000 MHz	30M0F8F		TELEVISION/FM
11700.0000 - 12200.0000 MHz	16M0F8F		TELEVISION/FM
11700.0000 - 12200.0000 MHz	2M70G7F		DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	6M40G7F		DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	8M00G7F		DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	24M0G7F		Digital TV - MCPC
11700.0000 - 12200.0000 MHz	1M36G2W		SCPC DATA
11450.9000 - 11451.1000 MHz	80K0P7D		PM/PSK - 2 - Telemetry
11450.0000 - 11700.0000 MHz	30M0F8F		TELEVISION/FM
11450.0000 - 11700.0000 MHz	16M0F8F		TELEVISION/FM
11450.0000 - 11700.0000 MHz	2M70G7F		DIGITAL TV - SCPC
11450.0000 - 11700.0000 MHz	6M40G7F		DIGITAL TV-SCPC

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11450.0000 - 11700.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	24M0G7F	Digital TV - MCPC
11450.0000 - 11700.0000 MHz	1M36G2W	SCPC DATA
11446.9000 - 11449.1000 MHz	180KP7D	PM/PSK - 2 - Telemetry
11200.0000 - 11450.0000 MHz	30M0F8F	TELEVISION/FM
11200.0000 - 11450.0000 MHz	16M0F8F	TELEVISION/FM
11200.0000 - 11450.0000 MHz	2M70G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	6M40G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	24M0G7F	Digital TV - MCPC
11200.0000 - 11450.0000 MHz	1M36G2W	SCPC DATA
10950.0000 - 11200.0000 MHz	18M0F9W	Analog TV/FM
10950.0000 - 11200.0000 MHz	18M0G7W	Digital TV - SCPC
10950.0000 - 11200.0000 MHz	6M85G7W	Digital TV - SCPC
10950.0000 - 11200.0000 MHz	2M90G7W	Digital TV - MCPC
10950.0000 - 11200.0000 MHz	2M20G7W	Digital TV - SCPC
10950.0000 - 11200.0000 MHz	375KG7W	SCPC DATA
10950.0000 - 11200.0000 MHz	36M0F9W	Analog TV/FM
10950.0000 - 11200.0000 MHz	36M0G7W	Digital TV - SCPC
10700.0000 - 10950.0000 MHz	30M0F8F	TELEVISION/FM
10700.0000 - 10950.0000 MHz	16M0F8F	TELEVISION/FM
10700.0000 - 10950.0000 MHz	2M70G7F	DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	6M40G7F	DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	8M00G7F	DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	24M0G7F	Digital TV - MCPC
10700.0000 - 10950.0000 MHz	1M36G2W	SCPC DATA

10950.0000 - 11200.0000 MHz	300KF3D		TT&C CARRIER
11450.0000 - 12200.0000 MHz	300KF3D		TT&C CARRIER
13750.0000 - 13772.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
14000.0000 - 14500.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
10950.0000 - 11200.0000 MHz	1M00G7F		DIGITAL VIDEO
10950.0000 - 11200.0000 MHz	36M0G7F		DIGITAL VIDEO
11450.0000 - 12200.0000 MHz	1M00G7F		DIGITAL VIDEO
11450.0000 - 12200.0000 MHz	36M0G7F		DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	1M00G7F	68.40 dBW	DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	36M0G7F	83.90 dBW	DIGITAL VIDEO
13772.0000 - 13778.0000 MHz	6M00G7W	70.00 dBW	DIGITAL VIDEO, AUDIO AND DATA
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA
10950.0000 - 11200.0000 MHz	56K0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 12200.0000 MHz	56K0G7W		DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	83.90 dBW	DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	56K0G7W	55.90 dBW	DIGITAL VIDEO, AUDIO AND DATA
13778.0000 - 14000.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
13778.0000 - 14000.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
11448.0000 - 11448.0000 MHz	300KF2D		TT&C CARRIER
13246.5000 - 13246.5000 MHz	750KF2D	78.40 dBW	TT&C CARRIER
13995.5000 - 13995.5000 MHz	750KF2D	78.40 dBW	TT&C CARRIER
13750.0000 - 13772.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
14000.0000 - 14500.0000 MHz	950KF3D	80.00 dBW	TT&C CARRIER
14000.0000 - 14500.0000 MHz	1M00G7F	68.40 dBW	DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	36M0G7F	83.90 dBW	DIGITAL VIDEO

13772.0000 - 13778.0000 MHz	6M00G7W	70.00 dBW	DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	36M0G7W	83.90 dBW	DIGITAL VIDEO, AUDIO AND DATA
14000.0000 - 14500.0000 MHz	56K0G7W	55.90 dBW	DIGITAL VIDEO, AUDIO AND DATA
11449.0000 - 11449.0000 MHz	300KF2D		TT&C CARRIER
10950.0000 - 11200.0000 MHz	300KF3D		TT&C CARRIER
10950.0000 - 11200.0000 MHz	1M00G7F		DIGITAL VIDEO
10950.0000 - 11200.0000 MHz	36M0G7F		DIGITAL VIDEO
11450.0000 - 12200.0000 MHz	1M00G7F		DIGITAL VIDEO
11450.0000 - 12200.0000 MHz	36M0G7F		DIGITAL VIDEO
10950.0000 - 11200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA
10950.0000 - 11200.0000 MHz	56K0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 12200.0000 MHz	36M0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 12200.0000 MHz	56K0G7W		DIGITAL VIDEO, AUDIO AND DATA
11450.0000 - 12200.0000 MHz	300KF3D		TT&C CARRIER
ANTENNA ID: 11.1M/K3	11.1 meters	VERTEX	11 KPK
14497.6000 - 14498.4000 MHz	670KF1D	86.00 dBW	FM-COMMAND & / or Ranging tones
14000.0000 - 14500.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
14000.0000 - 14500.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
14000.0000 - 14500.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
14000.0000 - 14500.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
14000.0000 - 14500.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
14000.0000 - 14500.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
14000.0000 - 14500.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
14000.0000 - 14250.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
14000.0000 - 14250.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
14000.0000 - 14250.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC

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14000.0000 - 14250.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
14000.0000 - 14250.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
14000.0000 - 14250.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
14000.0000 - 14250.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
13998.6000 - 13999.4000 MHz	670KF1D	83.50 dBW	FM-COMMAND & / or Ranging tones
13997.5000 - 13998.5000 MHz	890KF2D	83.50 dBW	FM-COMMAND & / or Ranging tones
13954.0000 - 13992.0000 MHz	36M0G7W	75.00 dBW	Digital TV - MCPC
13954.0000 - 13992.0000 MHz	18M0G7W	72.00 dBW	Digital TV - MCPC
13814.0000 - 13954.0000 MHz	36M0F9W	75.00 dBW	ANALOG TV
13814.0000 - 13954.0000 MHz	18M0F9W	72.00 dBW	ANALOG TV
13814.0000 - 13954.0000 MHz	36M0G7W	75.00 dBW	Digital TV - SCPC
13814.0000 - 13954.0000 MHz	18M0G7W	72.00 dBW	Digital TV - SCPC
13814.0000 - 13954.0000 MHz	6M85G7W	69.00 dBW	Digital TV - SCPC
13814.0000 - 13954.0000 MHz	2M90G7W	70.40 dBW	Digital TV - MCPC
13814.0000 - 13954.0000 MHz	2M20G7W	69.20 dBW	Digital TV - SCPC
13814.0000 - 13954.0000 MHz	375KG7W	68.00 dBW	Digital TV - SCPC
13756.0000 - 13814.0000 MHz	36M0G7W	75.00 dBW	Digital TV - MCPC
13756.0000 - 13814.0000 MHz	18M0G7W	72.00 dBW	Digital TV - MCPC
12750.0000 - 13250.0000 MHz	30M0F8F	84.00 dBW	TELEVISION/FM
12750.0000 - 13250.0000 MHz	16M0F8F	81.00 dBW	TELEVISION/FM
12750.0000 - 13250.0000 MHz	2M70G7F	63.60 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	6M40G7F	66.70 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	8M00G7F	67.50 dBW	DIGITAL TV-SCPC
12750.0000 - 13250.0000 MHz	24M0G7F	82.40 dBW	Digital TV - MCPC
12750.0000 - 13250.0000 MHz	1M36G2W	60.40 dBW	SCPC DATA
11700.0000 - 12200.0000 MHz	30M0F8F		TELEVISION/FM

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11700.0000 - 12200.0000 MHz	16M0F8F	TELEVISION/FM
11700.0000 - 12200.0000 MHz	2M70G7F	DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	6M40G7F	DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11700.0000 - 12200.0000 MHz	24M0G7F	Digital TV - MCPC
11700.0000 - 12200.0000 MHz	1M36G2W	SCPC DATA
11450.9000 - 11451.1000 MHz	80K0P7D	PM/PSK - 2 - Telemetry
11450.0000 - 11700.0000 MHz	30M0F8F	TELEVISION/FM
11450.0000 - 11700.0000 MHz	16M0F8F	TELEVISION/FM
11450.0000 - 11700.0000 MHz	2M70G7F	DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	6M40G7F	DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11450.0000 - 11700.0000 MHz	24M0G7F	Digital TV - MCPC
11450.0000 - 11700.0000 MHz	1M36G2W	SCPC DATA
11446.9000 - 11449.1000 MHz	180KP7D	PM/PSK - 2 - Telemetry
11200.0000 - 11450.0000 MHz	30M0F8F	TELEVISION/FM
11200.0000 - 11450.0000 MHz	16M0F8F	TELEVISION/FM
11200.0000 - 11450.0000 MHz	2M70G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	6M40G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	8M00G7F	DIGITAL TV-SCPC
11200.0000 - 11450.0000 MHz	24M0G7F	Digital TV - MCPC
11200.0000 - 11450.0000 MHz	1M36G2W	SCPC DATA
10700.0000 - 10950.0000 MHz	30M0F8F	TELEVISION/FM
10700.0000 - 10950.0000 MHz	16M0F8F	TELEVISION/FM
10700.0000 - 10950.0000 MHz	2M70G7F	DIGITAL TV-SCPC
10700.0000 - 10950.0000 MHz	6M40G7F	DIGITAL TV-SCPC



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

1 - INTELSAT POR - (180 E.L.)

1 - NSS 5 - (177 W.L.)

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**SES-MFS-20110128-00066**    E E080011    Intelsat License LLC

Modification

02/19/2008 - 02/19/2023

Grant of Authority

Date Effective:    03/10/2011

**Class of Station:**        Fixed Earth Stations

**Nature of Service:**     Fixed Satellite Service

SITE ID:                    Clarksburg

LOCATION:                  17633 TECHNOLOGY BLVD, WASHINGTON, HAGERSTOWN, MD

39 ° 35 ' 57.00 " N LAT.

77 ° 45 ' 21.00 " W LONG.

ANTENNA ID:	1	16.4 meters	Comsat/RSI	16.4M
	5925.0000 - 6425.0000 MHz	36M0F8F	80.00 dBW	VIDEO SERVICES
	5925.0000 - 6425.0000 MHz	2M00G7F	80.00 dBW	DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz	36M0G7F	80.00 dBW	DATA, VOICE AND VIDEO SERVICES
	3700.0000 - 4200.0000 MHz	1M50G7D		TT&C
	3700.0000 - 4200.0000 MHz	100KG7W		DATA SERVICES
	3700.0000 - 4200.0000 MHz	36M0F8F		VIDEO SERVICES
	3700.0000 - 4200.0000 MHz	2M00G7F		DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz	1M50G7D	80.00 dBW	TT&C
	3700.0000 - 4200.0000 MHz	36M0G7F		DATA, VOICE AND VIDEO SERVICES
	5925.0000 - 6425.0000 MHz	100KG7W	70.00 dBW	DATA SERVICES

**Points of Communication:**

Clarksburg - ALSAT - (ALSAT)

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

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

Clarksburg - INTEL 907 - (27.5 W.L.)

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

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Application for Modification  
 Grant of Authority

08/19/2003 - 08/19/2018  
 Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1

LOCATION: 17633 TECHNOLOGY BLVD., WASHINGTON, HAGERSTOWN, MD  
 39 ° 35 ' 57.90 " N LAT. 77 ° 45 ' 21.40 " W LONG.

ANTENNA ID:	1	16.4 meters	VERTEX	16.4 THC
	5925.0000 - 6425.0000 MHz	36M0F8W	83.00 dBW	Analog video with associated audio carriers
	5925.0000 - 6425.0000 MHz	800KFXW	79.30 dBW	FM/ AM/ PM modulated Command and Range Signal
	5925.0000 - 6425.0000 MHz	72M0G7W	83.00 dBW	DIGITAL, Data
	5925.0000 - 6425.0000 MHz	100KG7D	70.30 dBW	DIGITAL, Data
	5850.0000 - 5925.0000 MHz	36M0F8W	83.00 dBW	Analog video with associated audio carriers
	5850.0000 - 5925.0000 MHz	800KFXW	79.30 dBW	FM/ AM/ PM modulated Command and Range Signal
	5850.0000 - 5925.0000 MHz	72M0G7W	83.00 dBW	DIGITAL, Data
	5850.0000 - 5925.0000 MHz	100KG7D	70.30 dBW	DIGITAL, Data
	3700.0000 - 4200.0000 MHz	36M0F8W		Analog video with associated audio carriers
	3700.0000 - 4200.0000 MHz	800KFXW		FM/ AM/ PM modulated Command and Range Signal
	3700.0000 - 4200.0000 MHz	72M0G7W		Digital video with associated audio carriers
	3700.0000 - 4200.0000 MHz	100KG7D		DIGITAL, data
	3625.0000 - 3700.0000 MHz	36M0F8W		Analog video with associated audio carriers
	3625.0000 - 3700.0000 MHz	800KFXW		FM/ AM/ PM modulated Command and Range Signal
	3625.0000 - 3700.0000 MHz	72M0G7W		Digital video with associated audio carriers
	3625.0000 - 3700.0000 MHz	100KG7D		DIGITAL, Data



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5850.0000 - 5925.0000 MHz	800KFXW	79.30 dBW	COMMAND AND RANGE CARRIER FOR SATELLITE CONTROL
3700.0000 - 4200.0000 MHz	36M0F8W		ANALOG VIDEO WITH ASSOCIATED AUDIO CARRIERS
3700.0000 - 4200.0000 MHz	800KFXW		COMMAND AND RANGE CARRIER FOR SATELLITE CONTROL
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL, DATA
3700.0000 - 4200.0000 MHz	100KG7D		DIGITAL, DATA
3625.0000 - 3700.0000 MHz	72M0G7W		DIGITAL VIDEO WITH ASSOCIATED AUDIO CARRIERS
3625.0000 - 3700.0000 MHz	36M0F8W		ANALOG VIDEO WITH ASSOCIATED AUDIO CARRIERS
3625.0000 - 3700.0000 MHz	100KG7D		DIGITAL, DATA
3625.0000 - 3700.0000 MHz	800KFXW		COMMAND AND RANGE CARRIER FOR SATELLITE CONTROL

**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.)

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SES-MOD-20090609-00716 E E030101 INTELSAT LICENSE LLC

Application for Modification

10/06/2003 - 10/06/2018

Grant of Authority

Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: 17633 TECHNOLOGY BLVD., WASHINGTON, HAGERSTOWN, MD  
 39 ° 35 ' 59.60 " N LAT. 77 ° 45 ' 17.40 " W LONG.

ANTENNA ID:	1	16.4 meters	VERTEX	16.4 THC
	5925.0000 - 6425.0000 MHz	36M0F8W	83.00 dBW	Analog video with associated audio carriers
	5925.0000 - 6425.0000 MHz	800KFXW	79.30 dBW	Analog carrier
	5925.0000 - 6425.0000 MHz	72M0G7W	83.00 dBW	DIGITAL, Data
	5925.0000 - 6425.0000 MHz	100KG7D	70.30 dBW	DIGITAL, Data
	5850.0000 - 5925.0000 MHz	36M0F8W	83.00 dBW	Analog video with associated audio carriers
	5850.0000 - 5925.0000 MHz	800KFXW	79.30 dBW	Analog carrier
	5850.0000 - 5925.0000 MHz	72M0G7W	83.00 dBW	DIGITAL, Data
	5850.0000 - 5925.0000 MHz	100KG7D	70.30 dBW	DIGITAL, Data
	3700.0000 - 4200.0000 MHz	36M0F8W		Analog video with associated audio carriers
	3700.0000 - 4200.0000 MHz	800KFXW		Analog carrier
	3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL, Data
	3700.0000 - 4200.0000 MHz	100KG7D		DIGITAL, Data
	3625.0000 - 3700.0000 MHz	100KG7D		DIGITAL, Data
	3625.0000 - 3700.0000 MHz	72M0G7W		DIGITAL, Data
	3625.0000 - 3700.0000 MHz	36M0F8W		Analog video with associated audio carriers
	3625.0000 - 3700.0000 MHz	800KFXW		Analog 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.)

**SES-MOD-20090609-00717** E E030103 INTELSAT LICENSE LLC

Application for Modification

10/06/2003 - 10/06/2018

Grant of Authority

Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

**SITE ID:** 1

**LOCATION:** 17633 TECHNOLOGY BLVD., WASHINGTON, HAGERSTOWN, MD

39 ° 35 ' 59.10 " N LAT.

77 ° 45 ' 18.40 " W LONG.

ANTENNA ID:	1	16.4 meters	VERTEX	16.4 THC
	5925.0000 - 6425.0000 MHz	36M0F8W	83.00 dBW	Analog video with associated audio carriers
	5925.0000 - 6425.0000 MHz	800KFXW	79.30 dBW	Analog carrier
	5925.0000 - 6425.0000 MHz	72M0G7W	83.00 dBW	DIGITAL, Data
	5925.0000 - 6425.0000 MHz	100KG7D	70.30 dBW	DIGITAL, Data
	5850.0000 - 5925.0000 MHz	36M0F8W	83.00 dBW	Analog video with associated audio carriers
	5850.0000 - 5925.0000 MHz	800KFXW	79.30 dBW	Analog carrier
	5850.0000 - 5925.0000 MHz	72M0G7W	83.00 dBW	DIGITAL, Data
	5850.0000 - 5925.0000 MHz	100KG7D	70.30 dBW	DIGITAL, Data
	3700.0000 - 4200.0000 MHz	36M0F8W		Analog video with associated audio carriers
	3700.0000 - 4200.0000 MHz	800KFXW		Analog carrier
	3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL, Data
	3700.0000 - 4200.0000 MHz	100KG7D		DIGITAL, Data
	3625.0000 - 3700.0000 MHz	100KG7D		DIGITAL, Data



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5850.0000 - 5925.0000 MHz	36M0F8W	83.00 dBW	ANALOG VIDEO WITH ASSOCIATED CARRIERS
5850.0000 - 5925.0000 MHz	800KFXW	79.30 dBW	ANALOG CARRIER
5850.0000 - 5925.0000 MHz	72M0G7W	83.00 dBW	DIGITAL VIDEO WITH ASSOCIATED AUDIO CARRIERS
5850.0000 - 5925.0000 MHz	100KG7D	70.30 dBW	DIGITAL, DATA
3700.0000 - 4200.0000 MHz	36M0F8W		ANALOG VIDEO WITH ASSOCIATED CARRIERS
3700.0000 - 4200.0000 MHz	800KFXW		ANALOG CARRIER
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VIDEO WITH ASSOCIATED AUDIO CARRIERS
3700.0000 - 4200.0000 MHz	100KG7D		DIGITAL, DATA
3625.0000 - 3700.0000 MHz	72M0G7W		DIGITAL VIDEO WITH ASSOCIATED AUDIO CARRIERS
3625.0000 - 3700.0000 MHz	36M0F8W		ANALOG VIDEO WITH ASSOCIATED CARRIERS
3625.0000 - 3700.0000 MHz	800KFXW		ANALOG CARRIER
3625.0000 - 3700.0000 MHz	100KG7D		DIGITAL, DATA

**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.)
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SES-MOD-20110121-00042 E E920099 Des Moines Hearst Television Inc.  
Application for Modification 03/06/2002 - 03/06/2012  
Grant of Authority Date Effective: 03/10/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
LOCATION: 888 NINTH STREET, 50309, DES MOINES, IA  
41 ° 35 ' 35.00 " N LAT. 93 ° 37 ' 48.00 " W LONG.

ANTENNA ID:	1	4.6 meters	ANDREW	ESA46-124
14000.0000 - 14500.0000 MHz		36M0F3F	72.40 dBW	
11700.0000 - 12200.0000 MHz		36M0F3F		
14000.0000 - 14500.0000 MHz		36M0F3F	72.20 dBW	FM FDM CARRIER FOR VIDEO TRANSMISSIONS
14000.0000 - 14500.0000 MHz		36M0G7W	72.00 dBW	MCPC DIGITAL CARRIER FOR VIDEO/VOICE/DATA
11700.0000 - 12200.0000 MHz		36M0F3F		
11700.0000 - 12200.0000 MHz		36M0G7W		

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-MOD-20110128-00069 E KA313 VIZADA, INC.  
Application for Modification 02/20/2010 - 02/20/2025  
Grant of Authority Date Effective: 03/10/2011

**Class of Station:** Other

**Nature of Service:** Fixed Satellite Service

SITE ID: (C-) Hub 14.2M  
LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHURY, CT  
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID:	(C)14.2M	14.2 meters	TIW (C-band)	14.2M
6454.4000 - 6456.6000 MHz		1K20G1D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz		600HG1D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz		600HG2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz		1K20G2D	44.50 dBW	DIGITAL CARRIER



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6454.4000 - 6456.6000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G1D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG1D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	600HG2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	1K20G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2K40G2D	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	10K5G2F	44.50 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	78.00 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	2M20G1D	82.30 dBW	DIGITAL CARRIER
6425.0000 - 6454.0000 MHz	100KG1X	60.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1W	59.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	10K0G1X	61.20 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	17K5G1D	61.40 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	20K0G1E	56.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50F1D	58.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	2K50G1D	65.70 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	45K0G7D	66.00 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1D	61.80 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1E	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	5K00G1W	51.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	60K0D1W	65.90 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1D	59.10 dBW	DIGITAL DATA
6425.0000 - 6454.0000 MHz	7K50G1E	62.20 dBW	DIGITAL DATA

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6425.0000 - 6454.0000 MHz	7K50G1W	58.40 dBW	DIGITAL DATA
6425.0000 - 6443.0000 MHz	NON	70.00 dBW	Communications Systems Monitoring & test Signals
6425.0000 - 6443.0000 MHz	600KFXN	70.00 dBW	Communications Systems Monitoring & test Signals
6417.5000 - 6443.0000 MHz	4K00G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	4K00G3E	70.00 dBW	
6417.5000 - 6443.0000 MHz	6K00G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	7K50G3E	70.00 dBW	
6417.5000 - 6443.0000 MHz	12K0G1D	70.00 dBW	
6417.5000 - 6443.0000 MHz	12K0G3E	70.00 dBW	
6416.0000 - 6418.0000 MHz	900KF2D	75.00 dBW	TT&C
6170.0000 - 6180.0000 MHz	900KF2D	90.00 dBW	TT&C
5925.0000 - 6425.0000 MHz	36M0F8F	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	83.50 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.80 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	84.30 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.80 dBW	DIGITAL VOICE, AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	61.70 dBW	DIGITAL VOICE, AND DATA
4192.5000 - 4200.0000 MHz	3K00G1D		
4192.5000 - 4200.0000 MHz	4K00G1D		
4192.5000 - 4200.0000 MHz	4K00G3E		
4192.5000 - 4200.0000 MHz	7K50G3E		
4192.5000 - 4200.0000 MHz	12K0G1D		
4192.5000 - 4200.0000 MHz	12K0G3E		
4188.0000 - 4189.0000 MHz	1K00G1D		TT&C
3945.0000 - 3955.0000 MHz	1K00G1D		TT&C

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3700.0000 - 4200.0000 MHz	36M0F8F	ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-	ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F	DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-	DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W	DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-	DIGITAL VOICE AND DATA
3600.0000 - 3629.0000 MHz	2M20G1D	DIGITAL CARRIER
3600.0000 - 3629.0000 MHz	100K0G1X	DIGITAL DATA
3600.0000 - 3629.0000 MHz	10K0G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	17K5G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	20K0G1X	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50F1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	2K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	45K0G7D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	5K00G1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	60K0D1W	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1D	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1E	DIGITAL DATA
3600.0000 - 3629.0000 MHz	7K50G1W	DIGITAL DATA
3600.0000 - 3623.0000 MHz	NON	Communications Systems Monitoring & test Signals
3600.0000 - 3623.0000 MHz	300KFXN	Communications Systems Monitoring & test Signals
3600.0000 - 3623.0000 MHz	3K00G1D	

3600.0000 - 3623.0000 MHz	4K00G1D
3600.0000 - 3623.0000 MHz	4K00G3E
3600.0000 - 3623.0000 MHz	7K50G3E
3600.0000 - 3623.0000 MHz	12K0G1D
3600.0000 - 3623.0000 MHz	12K0G3E

SITE ID: REMOTE 2  
LOCATION: 1,000 (1.8M ANTENNAS) CONUS

ANTENNA ID:	1.8M	1.8 meters	ANDREW	183
14000.0000 - 14500.0000 MHz	169KG7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA	
14000.0000 - 14500.0000 MHz	1M62G7W	58.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA	
11700.0000 - 12200.0000 MHz	3M00G7W	DIGITAL AUDIO, VIDEO, AND DATA		
11700.0000 - 12200.0000 MHz	54M0G7W	DIGITAL AUDIO, VIDEO, AND DATA		

SITE ID: ESV/6006  
LOCATION: 400 (1.5 meters), CONUS

ANTENNA ID:	6006	1.5 meters	SEATEL	6006
14000.0000 - 14500.0000 MHz	44K8G1W	40.00 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	717KG1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	89K6G1W	43.00 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	151KG7W	45.30 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS	
14000.0000 - 14500.0000 MHz	194KG7W	46.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS	
14000.0000 - 14500.0000 MHz	291KG7W	48.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS	
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS	
14000.0000 - 14500.0000 MHz	445KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS	
14000.0000 - 14500.0000 MHz	452KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS	

14000.0000 - 14500.0000 MHz	81K0G7W	42.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	97K0G7W	43.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
14000.0000 - 14500.0000 MHz	1M43G1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	2M35G1W	52.00 dBW	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
11450.0000 - 12200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS
10950.0000 - 11200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS

SITE ID: (L) Hub 14.2M  
LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHURY, CT  
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID:	(L)14.2M	14.2 meters	TIW (L-band)	DUAL
	1626.5000 - 1660.5000 MHz	24K0F3E	36.00 dBW	ANALOG CARRIER
	1626.5000 - 1660.5000 MHz	NON	31.00 dBW	PILOT
	1626.5000 - 1660.5000 MHz	2K40G2D	36.00 dBW	DIGITAL CARRIER
	1626.5000 - 1660.5000 MHz	1K20G1D	36.00 dBW	DIGITAL CARRIER

1626.5000 - 1660.5000 MHz	600HG1D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	600HG2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	1K20G2D	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1660.5000 MHz	10K5G2F	36.00 dBW	DIGITAL CARRIER
1626.5000 - 1649.5000 MHz	300KFXN	70.00 dBW	Communications Systems Monitoring & test Signals
1574.4000 - 1576.6000 MHz	2K40G2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	1K20G1D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	600HG1D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	600HG2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	1K20G2D		DIGITAL CARRIER
1574.4000 - 1576.6000 MHz	10K5G2F		DIGITAL CARRIER
1530.0000 - 1548.0000 MHz	600KFXN		Communications Systems Monitoring & test Signals
1530.0000 - 1548.0000 MHz	NON		Communications Systems Monitoring & test Signals
1525.0000 - 1559.0000 MHz	2K40G2D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	1K20G1D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	600HG1D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	600HG2D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	1K20G2D		DIGITAL CARRIER
1525.0000 - 1559.0000 MHz	10K5G2F		DIGITAL CARRIER

SITE ID: (Ku) Hub 14.2M  
LOCATION: 2120 River Road, New Haven, Southbury, CT  
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Ku)14.2M 14.2 meters TIW 14.2M

SITE ID: Hub 1.2M(Ku)  
LOCATION: 2120 River Road, New Haven, Southbury, CT  
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Hub)1.2M 1.2 meters PRODELIN 1123



11450.0000 - 12200.0000 MHz	151KG7W	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 11200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION

SITE ID:        ESV/4996T

LOCATION:        Operate up to 550 remotes (1.2M), CONUS

ANTENNA ID:    4996T                    1.2 meters            SEATEL                    4996T

14000.0000 - 14500.0000 MHz	1M43G1W	51.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.10 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.10 dBW	SCPC USING QPSK AND BPSK MODULATION



11450.0000 - 12200.0000 MHz	1M43G1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	1M43G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W	SCPC USING QPSK AND BPSK MODULATION

SITE ID: Hub (8.1M)

LOCATION: 2120 River Road, New Haven, Southbury, CT  
41 ° 27 ' 6.30 " N LAT.

73 ° 17 ' 16.40 " W LONG.

ANTENNA ID:	Vertex 8.1	8.1 meters	VERTEX	KPK
	14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
	14000.0000 - 14500.0000 MHz	100KG7W	60.07 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	20M0G7W	83.08 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	2M29G7W	73.67 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	32K0G7W	55.13 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	36M0G7W	77.23 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	42M0G7W	86.31 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	43K8G7W	56.49 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	45K0G7W	56.61 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	76K8G7W	58.93 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	9K00G7W	49.62 dBW	QPSK, DIGITAL DATA
	14000.0000 - 14500.0000 MHz	72M0G7W	88.55 dBW	QPSK, DIGITAL DATA

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14000.0000 - 14500.0000 MHz	36M0G7W	72.00 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	1M60G1F	72.12 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	200KG1F	63.08 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	66.10 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	69.11 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	100KG7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	42M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	72M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	9K00G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	400KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	800KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

SITE ID: Remote 1.2m AVL  
LOCATION: 1000 (1.2M ANTENNAS), CONUS

ANTENNA ID:	AVL 1.2M	1.2 meters	AVL	1.2M Ku-band	
	14000.0000 - 14500.0000 MHz		1M55G7W	55.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		388KG7W	49.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		3M10G7W	58.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		64K0G7W	41.30 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		776KG7W	52.10 dBW	DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	11700.0000 - 12200.0000 MHz		45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	11700.0000 - 12200.0000 MHz		64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	11450.0000 - 11700.0000 MHz		45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	11450.0000 - 11700.0000 MHz		64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz		45M0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION
	10950.0000 - 11200.0000 MHz		64K0G7W		DIGITAL AUDIO, VIDEO AND DATA USING QPSK AND BPSK MODULATION

SITE ID:        ESV/V110

LOCATION:

ANTENNA ID:	V1110	1.05 meters	INTELLIAN	V110	
	14000.0000 - 14500.0000 MHz		194KG7W	42.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		1M16G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
	14000.0000 - 14500.0000 MHz		1M36G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

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14000.0000 - 14500.0000 MHz	1M55G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	44.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	45.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	44K8G1W	36.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	485KG7W	46.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	582KG7W	47.10 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	89K6G1W	39.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	64K0G7W	37.50 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	679KG7W	47.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	717KG1W	48.00 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	776KG7W	48.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	970KG7W	49.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	39.30 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

10950.0000 - 11200.0000 MHz	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

SITE ID: REMOTE 1  
LOCATION: 1,000 (1.2M ANTENNAS) CONUS

ANTENNA ID: 1.2M                      1.2 meters                      ANDREW                      123/124

SITE ID: REMOTE 3 (2.4M)  
LOCATION: 500 (2.4M ANTENNAS) CONUS

ANTENNA ID: 2.4M                      2.4 meters                      ANDREW                      243

14000.0000 - 14500.0000 MHz	169KG7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	1M62G7W	61.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .75 M  
LOCATION: 100 (.75 M antennas) CONUS

ANTENNA ID: .75M                      0.75 meters                      VISIOSAT                      VISIOSAT 75

14000.0000 - 14500.0000 MHz	1M52G7W	49.50 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	43.00 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .90 M  
LOCATION: 250 (.90 M antennas) CONUS

ANTENNA ID: .90M                      0.9 meters                      VISIOSAT                      VISIOSAT 90

14000.0000 - 14500.0000 MHz	1M52G7W	50.60 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	44.10 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: REMOTE .96 M  
LOCATION: 500 (.96 M antennas) CONUS

ANTENNA ID: .96M	0.96 meters	ANDREW	TYPE 960
14000.0000 - 14500.0000 MHz	1M52G7W	51.70 dBW	DIGITAL AUDIO, VIDEO, AND DATA
14000.0000 - 14500.0000 MHz	342KG7W	45.20 dBW	DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	3M00G7W		DIGITAL AUDIO, VIDEO, AND DATA
11700.0000 - 12200.0000 MHz	54M0G7W		DIGITAL AUDIO, VIDEO, AND DATA

SITE ID: HUB 6.1 M  
LOCATION: 2120 River Road, New Haven, Southbury, CT  
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

ANTENNA ID: (Hub)6.1M	6.1 meters	VERTEX	KPK
14000.0000 - 14500.0000 MHz	36M0F8W	80.14 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	100KG7W	57.07 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	20M0G7W	80.08 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M29G7W	70.67 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	32K0G7W	52.13 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	76.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	43K8G7W	53.49 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	45K0G7W	53.61 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	76K8G7W	55.93 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	9K00G7W	46.62 dBW	QPSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0G7W	71.70 dBW	QPSK, DIGITAL TELEPHONY
14000.0000 - 14500.0000 MHz	1M60G1F	69.12 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

14000.0000 - 14500.0000 MHz	200KG1F	60.08 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	400KG1F	63.10 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	800KG1F	66.11 dBW	PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	36M0F8W		ANALOG VIDEO
11700.0000 - 12200.0000 MHz	100KG7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	20M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M29G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	32K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	43K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	45K0G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	76K8G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	9K00G7W		QPSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0G7W		QPSK, DIGITAL TELEPHONY
11700.0000 - 12200.0000 MHz	1M60G1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	200KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	400KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO
11700.0000 - 12200.0000 MHz	800KG1F		PSK DIGITAL VIDEO WITH ASSOCIATED DIGITAL AUDIO

SITE ID: ESV/4003A

LOCATION: Operate up to 550 remotes (1.0M), CONUS

ANTENNA ID: 4003A      1 meters      SEATEL      4003A

14000.0000 - 14500.0000 MHz      44K8G1W      34.40 dBW      SPCP USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz      538KG1W      45.20 dBW      SPCP USING QPSK AND BPSK MODULATION

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14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SPCP USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	227KG7W	41.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	340KG7W	43.20 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	454KG7W	44.50 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	908KG7W	45.80 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	1M40G7W	45.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	316KG7W	42.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	378KG7W	43.60 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	44K8G1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	717KG1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		SPCP USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M60G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	54M0G7W		DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W		SPCP USING QPSK AND BPSK MODULATION



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10950.0000 - 11200.0000 MHz	89K6G1W	SPCP USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W	TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	2M60G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	54M0G7W	DVB/MFTDMA USING QPSK AND BPSK MODULATION

**Points of Communication:**

- (C-) Hub 14.2M - ALSAT - (ALSAT)
- (C-) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)
- (C-) Hub 14.2M - INMARSAT 4F3 - (97.65 W.L.)
- (C-) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)
- (C-) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)
- (C-) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)
- (C-) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)
- (Ku) Hub 14.2M - ALSAT - (ALSAT)
- (Ku) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)
- (Ku) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)
- (Ku) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)
- (Ku) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)
- (Ku) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)
- (L) Hub 14.2M - INMARSAT 3F4 - (54 W.L.)
- (L) Hub 14.2M - INMARSAT Ltd-3 - (15.5 W.L.)
- (L) Hub 14.2M - INMARSAT-2 AOR-EAST - (17 W.L.)
- (L) Hub 14.2M - INMARSAT-2 AOR-WEST - (98 W.L.)
- (L) Hub 14.2M - ISAT List -
- (L) Hub 14.2M - MARISAT-F2 - (33.9 W.L.)
- ESV/4003A - ALSAT - (ALSAT)
- ESV/4003A - GALAXY 10R - (123 W.L.)

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ESV/4003A - INTELSAT 705 - (50 W.L.)

ESV/4006 - ALSAT - (ALSAT)

ESV/4006 - GALAXY 10R - (123 W.L.)

ESV/4006 - INTELSAT 705 - (50 W.L.)

ESV/4996T - ALSAT - (ALSAT)

ESV/4996T - GALAXY 10R - (123 W.L.)

ESV/4996T - INTELSAT 705 - (50 W.L.)

ESV/6006 - ALSAT - (ALSAT)

ESV/6006 - GALAXY 10R - (123 W.L.)

ESV/6006 - INTELSAT 705 - (50 W.L.)

ESV/V110 - ALSAT - (ALSAT)

Hub (8.1M) - ALSAT - (ALSAT)

Hub (8.1M) - INMARSAT 3F4 - (54 W.L.)

Hub (8.1M) - INMARSAT Ltd-3 - (15.5 W.L.)

Hub (8.1M) - INMARSAT-2 AOR-EAST - (17 W.L.)

Hub (8.1M) - INMARSAT-2 AOR-WEST - (98 W.L.)

Hub (8.1M) - MARISAT-F2 - (33.9 W.L.)

HUB 6.1 M - ALSAT - (ALSAT)

REMOTE .75 M - NSS-7 - (338.5 E.L.)

REMOTE .90 M - NSS-7 - (338.5 E.L.)

REMOTE .96 M - NSS-7 - (338.5 E.L.)

REMOTE 1 - ALSAT - (ALSAT)

Remote 1.2m AVL - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 3 (2.4M) - ALSAT - (ALSAT)

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SES-MOD-20110201-00097 E E2236  
Application for Modification  
Grant of Authority

Alascom, Inc.

05/29/2001 - 05/29/2011

Date Effective: 03/10/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Fixed Satellite Service

SITE ID: 1  
 LOCATION: SLEETMUTE, AK  
 61 ° 42 ' 6.00 " N LAT. 157 ° 10 ' 20.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
	5925.0000 - 6425.0000 MHz	18M9G1D	59.50 dBW	VARIOUS PSK & QAM - DATA
	5925.0000 - 6425.0000 MHz	29K0G1D	48.80 dBW	VARIOUS PSK & QAM - DATA
	5925.0000 - 6425.0000 MHz	57K0G7W	51.80 dBW	VARIOUS PSK & QAM - VOICE AND DATA
	3700.0000 - 4200.0000 MHz	18M9G1D	0.00 dBW	VARIOUS PSK & QAM - DATA
	3700.0000 - 4200.0000 MHz	29K0G1D	0.00 dBW	VARIOUS PSK & QAM - DATA
	3700.0000 - 4200.0000 MHz	18M9G7W	0.00 dBW	VARIOUS PSK & QAM - VOICE AND DATA
	3700.0000 - 4200.0000 MHz	57K0G7W	0.00 dBW	VARIOUS PSK & QAM - VOICE AND DATA
	5925.0000 - 6425.0000 MHz	18M9G7W	59.50 dBW	VARIOUS PSK & QAM - VOICE AND DATA

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110301-00225 E E000342 GUSA Licensee LLC  
 Renewal 03/22/2011 - 03/22/2026  
 Grant of Authority Date Effective: 03/09/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Mobile Satellite Service

SITE ID: CLFN-2  
 LOCATION: Route 2, Box 149AA, Bosque, Clifton, TX  
 31 ° 47 ' 57.50 " N LAT. 97 ° 36 ' 44.70 " W LONG.

ANTENNA ID:	1	5.5 meters	Alcatel	9775
	6900.0000 - 7055.0000 MHz	1M23XXX		White noise modulated carrier for testing.
	6900.0000 - 7055.0000 MHz	50K0N0N		Unmodulated CW for Testing.
	6900.0000 - 7055.0000 MHz	1M23G7W		Waveform consists of multiple direct-sequence spread-spectrum channels whose carriers are uniformly spaced. Each CDMA channel is 1.23 Mc/sec. Each CDMA Waveform is QPSK.

6875.0000 - 6878.0000 MHz	7K00G1D		Telemetry Carrier using a Manchester-Encoded Formatted Signal @ 1000.117 bps.
5096.0000 - 5250.0000 MHz	1M23XXX	59.00 dBW	White noise modulated carrier for testing.
5096.0000 - 5250.0000 MHz	50K0N0N	59.00 dBW	Unmodulated CW for Testing.
5096.0000 - 5250.0000 MHz	1M23G7W	55.00 dBW	Waveform consists of multiple direct-sequence spread-spectrum channels whose carriers are uniformly spaced. Each CDMA channel is 1.23 Mc/sec. Each CDMA Waveform is QPSK.
5091.0000 - 5092.0000 MHz	76K0F2D	68.00 dBW	Telecommand Carrier.

**Points of Communication:**

CLFN-2 - GLOBALSTAR - (NGSO)

SES - RWL - 20110301 - 00226 E E000343 GUSA Licensee LLC  
 Renewal 03/22/2011 - 03/22/2026  
 Grant of Authority Date Effective: 03/09/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Mobile Satellite Service

SITE ID: CLFN-3

LOCATION: Route 2, Box 149AA, Bosque, Clifton, TX  
 31 ° 47 ' 57.40 " N LAT.

97 ° 36 ' 47.90 " W LONG.

ANTENNA ID: 1 5.5 meters Alcatel 9775

6900.0000 - 7055.0000 MHz	1M23XXX		White noise modulated carrier for testing.
6900.0000 - 7055.0000 MHz	50K0N0N		Unmodulated CW for Testing.
6900.0000 - 7055.0000 MHz	1M23G7W		Waveform consists of multiple direct-sequence spread-spectrum channels whose carriers are uniformly spaced. Each CDMA channel is 1.23 Mc.sec. Each CDMA Waveform is QPSK.
6875.0000 - 6878.0000 MHz	7K00G1D		Telemetry Carrier using a Manchester-Encoded Formatted Signal @ 1000.117 bps.
5096.0000 - 5250.0000 MHz	1M23XXX	59.00 dBW	White noise modulated carrier for testing.
5096.0000 - 5250.0000 MHz	50K0N0N	59.00 dBW	Unmodulated CW for Testing.

5096.0000 - 5250.0000 MHz	1M23G7W	55.00 dBW	Waveform consists of multiple direct-sequence spread-spectrum channels whose carriers are uniformly spaced. Each CDMA channel is 1.23 Mc/sec. Each CDMA Waveform is QPSK.
5091.0000 - 5092.0000 MHz	76K0F2D	68.00 dBW	Telecommand Carrier.

**Points of Communication:**

CLFN-3 - GLOBALSTAR - (NGSO)

**SES - RWL - 20110301 - 00227** E E000344 GUSA Licensee LLC  
 Renewal 03/22/2011 - 03/22/2026  
 Grant of Authority Date Effective: 03/09/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Mobile Satellite Service

**SITE ID:** CLFN-4  
**LOCATION:** Route 2, Box 149AA, Bosque, Clifton, TX  
 31 ° 48 ' 0.10 " N LAT. 97 ° 36 ' 48.90 " W LONG.

**ANTENNA ID:** Clift-RFT4 5.5 meters Alcatel 9775

6900.0000 - 7055.0000 MHz	1M23XXX		White noise modulated carrier for testing.
6900.0000 - 7055.0000 MHz	50K0N0N		Unmodulated CW for Testing.
6900.0000 - 7055.0000 MHz	1M23G7W		Waveform consists of multiple direct-sequence spread-spectrum channels whose carriers are uniformly spaced. Each CDMA channel is 1.23 Mc/sec. Each CDMA Waveform is QPSK.
6875.0000 - 6878.0000 MHz	7K00G1D		Telemetry Carrier using a Manchester-Encoded Formatted Signal @ 1000.117 bps.
5096.0000 - 5250.0000 MHz	1M23XXX	59.00 dBW	White noise modulated carrier for testing.
5096.0000 - 5250.0000 MHz	50K0N0N	59.00 dBW	Unmodulated CW for Testing.
5096.0000 - 5250.0000 MHz	1M23G7W	55.00 dBW	Waveform consists of multiple direct-sequence spread-spectrum channels whose carriers are uniformly spaced. Each CDMA channel is 1.23 Mc/sec. Each CDMA Waveform is QPSK.
5091.0000 - 5092.0000 MHz	76K0F2D	68.00 dBW	Telecommand Carrier.

**Points of Communication:**

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CLFN-4 - GLOBALSTAR - (NGSO)

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SES-RWL-20110301-00228 E E000345 GUSA Licensee LLC  
Renewal 03/22/2011 - 03/22/2026  
Grant of Authority Date Effective: 03/09/2011

**Class of Station:** Fixed Earth Stations

**Nature of Service:** Mobile Satellite Service

SITE ID: CLFN-5

LOCATION: Route 2, Box 149AA, Bosque, Clifton, TX  
31 ° 48 ' 3.00 " N LAT.

97 ° 36 ' 49.20 " W LONG.

ANTENNA ID:	Clift-RFT5	5.5 meters	Alcatel	9775
6900.0000 - 7055.0000 MHz		1M23XXX		White noise modulated carrier for testing.
6900.0000 - 7055.0000 MHz		50K0N0N		Unmodulated CW for Testing.
6900.0000 - 7055.0000 MHz		1M23G7W		Waveform consists of multiple direct-sequence spread-spectrum channels whose carriers are uniformly spaced. Each CDMA channel is 1.23 Mc/sec. Each CDMA Waveform is QPSK.
6875.0000 - 6878.0000 MHz		7K00G1D		Telemetry Carrier using a Manchester-Encoded Formatted Signal @ 1000.117 bps.
5096.0000 - 5250.0000 MHz		1M23XXX	59.00 dBW	White noise modulated carrier for testing.
5096.0000 - 5250.0000 MHz		50K0N0N	59.00 dBW	Unmodulated CW for Testing.
5096.0000 - 5250.0000 MHz		1M23G7W	55.00 dBW	Waveform consists of multiple direct-sequence spread-spectrum channels whose carriers are uniformly spaced. Each CDMA channel is 1.23 Mc/sec. Each CDMA Waveform is QPSK.
5091.0000 - 5092.0000 MHz		76K0F2D	68.00 dBW	Telecommand Carrier.

**Points of Communication:**

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CLFN-5 - GLOBALSTAR - (NGSO)

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SES-RWL-20110302-00229 E WZ61 CBS CORPORATION  
Renewal 04/16/2011 - 04/16/2026  
Grant of Authority Date Effective: 03/10/2011

**Class of Station:** Fixed Earth Stations

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

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SITE ID: 1  
LOCATION: ALLEGHENY, ALLISON PARK, PA  
40 ° 33 ' 33.00 " N LAT. 79 ° 57 ' 13.00 " W LONG.

ANTENNA ID:	1	10 meters	SCIENTIFIC ATLANTA	MODEL 8002A-HP
	5925.0000 - 6425.0000 MHz		36000F9	87.50 dBW
	3700.0000 - 4200.0000 MHz		36000F9	
ANTENNA ID:	2	10 meters	SCIENTIFIC ATLANTA	MODEL 8002A-HP
	5925.0000 - 6425.0000 MHz		36000F9	87.50 dBW
	3700.0000 - 4200.0000 MHz		36000F9	
ANTENNA ID:	3	10 meters	SCIENTIFIC ATLANTA	MODEL 8002A-HP
	5925.0000 - 6425.0000 MHz		36000F9	87.50 dBW
	3700.0000 - 4200.0000 MHz		36000F9	

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES - RWL - 20110302 - 00231 E E000494 THE BOEING COMPANY  
Renewal 03/22/2011 - 03/22/2026  
Grant of Authority Date Effective: 03/10/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: HERNDON  
LOCATION: 460 HERNDON PARKWAY, FAIRFAX, HERNDON, VA  
38 ° 57 ' 32.00 " N LAT. 77 ° 22 ' 32.00 " W LONG.

ANTENNA ID:	2MPROD	2.4 meters	PRODELIN	1251	
	14000.0000 - 14500.0000 MHz		38K4G1D	49.00 dBW	QPSK DATA
	14000.0000 - 14500.0000 MHz		3M00G1D	62.20 dBW	QPSK DATA
	11700.0000 - 12200.0000 MHz		3M00G1D		QPSK DATA
	11700.0000 - 12200.0000 MHz		38K4G1D		QPSK DATA
ANTENNA ID:	3.8MVERT	3.8 meters	VERTEX/RSI	3.8 DPK	
	14000.0000 - 14500.0000 MHz		3M00G1D	62.20 dBW	QPSK DATA
	14000.0000 - 14500.0000 MHz		38K4G1D	48.80 dBW	QPSK DATA

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14000.0000 - 14500.0000 MHz	1M00G7D	62.00 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	1M85G7D	65.04 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	2M00G7D	65.04 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	307KG7D	57.50 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	38K4G7D	48.80 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	3M00G7D	65.04 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	3M70G7D	65.04 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	461KG7D	59.50 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	512KG7D	60.00 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	5M00G7D	65.04 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	76K8G7D	51.50 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	8M00G7D	65.04 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	922KG7D	62.00 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	615KG7D	60.50 dBW	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	3M00G1D		QPSK DATA
11700.0000 - 12200.0000 MHz	38K4G1D		QPSK DATA
11700.0000 - 12200.0000 MHz	154KG7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	1M00G7D	0.00 dBW	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	1M85G7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	2M00G7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	307KG7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	38K4G7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	3M00G7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	3M70G7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	461KG7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	512KG7D	0.00 dBW	DIGITAL DATA CARRIER



11700.0000 - 12200.0000 MHz	5M00G7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	615KG7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	76K8G7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	8M00G7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	922KG7D		DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	154KG7D		DIGITAL DATA CARRIER
ANTENNA ID: 3MPROD	3.8 meters	PRODELIN	1383
14000.0000 - 14500.0000 MHz	3M00G1D	67.20 dBW	QPSK DATA
14000.0000 - 14500.0000 MHz	38K4G1D	49.00 dBW	QPSK DATA
14000.0000 - 14500.0000 MHz	154KG7D	54.70 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	1M00G7D	62.20 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	1M85G7D	65.24 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	2M00G7D	65.24 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	307KG7D	57.70 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	38K4G7D	49.00 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	3M00G7D	65.24 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	3M70G7D	65.24 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	461KG7D	59.70 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	512KG7D	60.20 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	5M00G7D	65.24 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	615KG7D	60.70 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	76K8G7D	51.70 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	8M00G7D	65.24 dBW	DIGITAL DATA CARRIER
14000.0000 - 14500.0000 MHz	922KG7D	62.20 dBW	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	3M00G1D		QPSK DATA
11700.0000 - 12200.0000 MHz	38K4G1D		QPSK DATA

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11700.0000 - 12200.0000 MHz	154KG7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	1M00G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	1M85G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	2M00G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	307KG7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	38K4G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	3M00G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	3M70G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	461KG7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	512KG7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	5M00G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	615KG7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	76K8G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	8M00G7D	DIGITAL DATA CARRIER
11700.0000 - 12200.0000 MHz	922KG7D	DIGITAL DATA CARRIER

**Points of Communication:**

HERNDON - ALSAT - (ALSAT)

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<b>SES-RWL-20110302-00234</b>	E E010022	Florida Department of Education	03/13/2011 - 03/13/2026
Renewal			Date Effective: 03/10/2011
Grant of Authority			

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: 1600 RED BARBER DRIVE, LEON, TALLAHASSEE, FL  
30 ° 25 ' 2.70 " N LAT. 84 ° 18 ' 48.60 " W LONG.

ANTENNA ID: 1	9.2 meters	SATCOM TECH.	920C
5925.0000 - 6425.0000 MHz	36M0C8F	79.50 dBW	STANDARD VIDEO WITH AUDIO SUB-CARRIERS
3700.0000 - 4200.0000 MHz	36M0C8F		STANDARD VIDEO WITH AUDIO SUB-CARRIERS

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**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20110303-00235**    E E010078    CNN America, Inc.  
Renewal    05/31/2011 - 05/31/2026  
Grant of Authority    Date Effective:    03/10/2011

**Class of Station:**    Temporary Fixed Earth Station**Nature of Service:**    Domestic Fixed Satellite Service

SITE ID:    1

LOCATION:    6430 SUNSET BOULEVARD LOS ANGELES, CA 90028, VARIOUS

ANTENNA ID:	1	2.4 meters	VERTEX	2.4DMK
	14000.0000 - 14500.0000 MHz	36M0F8W	68.67 dBW	VOICE/DATA
	14000.0000 - 14500.0000 MHz	36M0F3F	68.67 dBW	VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20110303-00236**    E E010045    THE BOEING COMPANY  
Renewal    04/09/2011 - 04/09/2026  
Grant of Authority    Date Effective:    03/10/2011

**Class of Station:**    Fixed Earth Stations**Nature of Service:**    Domestic Fixed Satellite Service

SITE ID:    1

LOCATION:    5301 Bolsa Ave. (Bldg. 28), ORANGE, Huntington Beach, CA  
33 ° 44 ' 42.00 " N LAT.    118 ° 2 ' 16.00 " W LONG.

ANTENNA ID:	1	3.8 meters	Prodelin	1383
	14000.0000 - 14500.0000 MHz	54M0G1D	78.30 dBW	16-QAM digital data
	14000.0000 - 14500.0000 MHz	36M0G1D	78.30 dBW	16-QAM digital data
	14000.0000 - 14500.0000 MHz	27M0G1D	77.50 dBW	16-QAM digital data
	14000.0000 - 14500.0000 MHz	54M0G1D	78.30 dBW	QPSK/8PSK digital data
	14000.0000 - 14500.0000 MHz	36M0G1D	78.30 dBW	QPSK/8PSK digital area
	14000.0000 - 14500.0000 MHz	27M0G1D	77.50 dBW	QPSK/8PSK digital data
	11700.0000 - 12200.0000 MHz	54M0G1D		16-QAM digital data

11700.0000 - 12200.0000 MHz	36M0G1D	16-QAM digital data
11700.0000 - 12200.0000 MHz	27M0G1D	16-QAM digital data
11700.0000 - 12200.0000 MHz	54M0G1D	QPSK/8PSK digital data
11700.0000 - 12200.0000 MHz	36M0G1D	QPSK/8PSK digital data
11700.0000 - 12200.0000 MHz	27M0G1D	QPSK/8PSK digital data

**Points of Communication:**

1 - ALSAT - (ALSAT)

**SES-RWL-20110303-00237** E E000695 Remote Facilities consulting Services, Inc.  
 Renewal 03/14/2011 - 03/14/2026  
 Grant of Authority Date Effective: 03/10/2011

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

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

SITE ID: 1  
 LOCATION: VARIOUS

ANTENNA ID: 1	2.4 meters	ANDREW CORP.	ESA24SNG-JTE-25
14000.0000 - 14500.0000 MHz	36M0F3F	76.40 dBW	VIDEO
14000.0000 - 14500.0000 MHz	26K0F3E	68.90 dBW	DIGITAL MCPC
14000.0000 - 14500.0000 MHz	20M0G7W	38.70 dBW	FM SCPC
11700.0000 - 12200.0000 MHz	26K0F3E		

**Points of Communication:**

1 - ALSAT - (ALSAT)

**SES-RWL-20110303-00238** E E010087 ABC Holding Company Inc.  
 Renewal 05/08/2011 - 05/08/2026  
 Grant of Authority Date Effective: 03/10/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
 LOCATION: KABC-TV 500 CIRCLE SEVEN DRIVE, LOS ANGELES, GLENDALE, CA  
 34 ° 9 ' 24.90 " N LAT. 118 ° 17 ' 18.50 " W LONG.

ANTENNA ID: 1	5.6 meters	5.6
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14000.0000 - 14500.0000 MHz	36M0G7F	79.80 dBW	DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	36M0F8F	79.80 dBW	ANALOG VIDEO
14000.0000 - 14500.0000 MHz	15M0G7F	79.50 dBW	DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	36M0G7F		DIGITAL VIDEO
11700.0000 - 12200.0000 MHz	36M0F8F		DIGITAL VIDEO

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20110303-00240</b>	E E910176	KING BROADCASTING COMPANY	
Renewal			03/15/2011 - 03/15/2026
Grant of Authority			Date Effective: 03/10/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
 LOCATION: 4103 SOUTH REGAL STREET, SPOKANE, SPOKANE, WA  
 47 ° 36 ' 59.00 " N LAT. 117 ° 21 ' 55.00 " W LONG.

ANTENNA ID: 1	4.6 meters	ANDREW	ESA46M-124
14000.0000 - 14500.0000 MHz	36M0F3F	72.40 dBW	
11700.0000 - 12200.0000 MHz	36M0F3F		

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20110304-00242</b>	E E010092	Scripps Media, Inc.	
Renewal			05/17/2011 - 05/17/2026
Grant of Authority			Date Effective: 03/10/2011

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

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

SITE ID: 1  
 LOCATION: WEWS-TV, 3001 EUCLID AVE. CLEVELAND, CUYAHOGA, OH 44115, VARIOUS

ANTENNA ID: 1	1.5 meters	ADVENT	NEWSWIFT
14000.0000 - 14500.0000 MHz	15M0G7W	63.50 dBW	MCPC ONE DIGITAL CARRIER FOR VIDEO/VOICE/DATA

**Points of Communication:**

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1 - ALSAT - (ALSAT)

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SES-RWL-20110307-00247 E E010079 CNN America, Inc.  
Renewal 05/31/2011 - 05/31/2026  
Grant of Authority Date Effective: 03/10/2011

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

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

SITE ID: 1  
LOCATION: 5 PENN PLAZA, 20TH FLOOR NEW YORK, NY 10001, VARIOUS

ANTENNA ID:	1	2.4 meters	VERTEX	2.4DMK	
	14000.0000 - 14500.0000 MHz		36M0F8W	68.67 dBW	VOICE/DATA
	14000.0000 - 14500.0000 MHz		36M0F3F	68.67 dBW	VIDEO

**Points of Communication:**

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1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00252 E E2280 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: CIRCLE EARTH STATION, CIRCLE, CIRCLE, AK  
65 ° 49 ' 38.00 " N LAT. 144 ° 3 ' 58.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA5-46A	
	5925.0000 - 6425.0000 MHz		1M15G7W	62.82 dBW	QPSK, VOICE, DATA, FEC 7/8, ADPCM
	3700.0000 - 4200.0000 MHz		1M15G7W		QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

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1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00256 E E2928 MIDCONTINENT COMMUNICATIONS  
Renewal 04/01/2011 - 04/01/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

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SITE ID: 1  
LOCATION: CORNER OF SOUTH DRIVE & GLEN CIRCLE, ST. LOUIS, BABBITT, MN  
47 ° 42 ' 28.00 " N LAT. 91 ° 56 ' 28.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 8008 (5METER)  
3700.0000 - 4200.0000 MHz 25M0F8W

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20110308-00259** E E2227 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: CHIGNIK LAKE, AK  
56 ° 15 ' 21.00 " N LAT. 158 ° 45 ' 49.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-39239  
5925.0000 - 6425.0000 MHz 30K0F3W 41.40 dBW  
5925.0000 - 6425.0000 MHz 24K0G1D 40.60 dBW  
5925.0000 - 6425.0000 MHz 86K4G1D 50.40 dBW  
5925.0000 - 6425.0000 MHz 75K6G1D 49.90 dBW  
5925.0000 - 6425.0000 MHz 53K3G1W 48.70 dBW  
5925.0000 - 6425.0000 MHz 26K7G1W 42.10 dBW  
5925.0000 - 6425.0000 MHz 13K3G1E 36.60 dBW  
3700.0000 - 4200.0000 MHz

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20110308-00260** E E2218 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
 LOCATION: CHIGNIK LAGOON, AK  
 56 ° 18 ' 30.00 " N LAT. 158 ° 32 ' 11.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
5925.0000 - 6425.0000 MHz			30KOF3W	52.60 dBW
5925.0000 - 6425.0000 MHz			24KOG1D	40.60 dBW
5925.0000 - 6425.0000 MHz			86K4G1D	54.80 dBW
5925.0000 - 6425.0000 MHz			75K6G1D	54.20 dBW
5925.0000 - 6425.0000 MHz			53K3G1W	54.10 dBW
5925.0000 - 6425.0000 MHz			26K7G1W	51.00 dBW
5925.0000 - 6425.0000 MHz			13K3G1E	36.60 dBW
3700.0000 - 4200.0000 MHz				

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES - RWL - 20110308 - 00261 E E2213 Alascom Inc./United Utilities, Inc.  
 Renewal 05/29/2011 - 05/29/2026  
 Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
 LOCATION: VENETIE EARTH STATION, VENETIE, AK  
 67 ° 1 ' 6.00 " N LAT. 146 ° 25 ' 14.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
5925.0000 - 6425.0000 MHz			86K4G1D	49.90 dBW QPSK, SCPC, DCU, VOICE/DATA, FEC 1/2
5925.0000 - 6425.0000 MHz			13K3G1E	42.20 dBW QPSK, SCPC, CELP, VOICE/DATA, FEC 3/4
3700.0000 - 4200.0000 MHz			86K4G1D	QPSK, SCPC, DCU, VOICE/DATA, FEC 1/2
3700.0000 - 4200.0000 MHz			13K3G1E	QPSK, SCPC, CELP, VOICE/DATA, FEC 3/4

**Points of Communication:**



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1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00262 E E2212 Alascom Inc./United Utilities, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: STEVENS VILAGE EARTH STATION, STEVENS VILLAGE, AK  
66 ° 0 ' 32.00 " N LAT. 149 ° 5 ' 33.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
	5925.0000 - 6425.0000 MHz	1M15G7W	62.52 dBW	QPSK, VOICE, DATA, FEC 7/8, ADPCM
	3700.0000 - 4200.0000 MHz	1M15G7W		QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

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1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00263 E E2191 Alascom Inc./United Utilities, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: CENTRAL EARTH STATION, CENTRAL, AK  
65 ° 34 ' 15.00 " N LAT. 144 ° 48 ' 56.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA5-46A
	5925.0000 - 6425.0000 MHz	1M15G7W	62.82 dBW	QPSK, VOICE, DATA, FEC 7/8, ADPCM
	3700.0000 - 4200.0000 MHz	1M15G7W		QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

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1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00264 E E2277 Alascom Inc./United Utilities, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: ARCTIC VILLAGE EARTH STATION, ARCTIC VILLAGE, AK  
68 ° 7 ' 32.00 " N LAT. 145 ° 32 ' 10.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
5925.0000 - 6425.0000 MHz		86K4G1D	50.20 dBW	QPSK, SCPC, DCU, VOICE/DATA, FEC 1/2
5925.0000 - 6425.0000 MHz		13K3G1E	42.50 dBW	QPSK, SCPC, CELP, VOICE/DATA, FEC 3/4
3700.0000 - 4200.0000 MHz		86K4G1D		QPSK, SCPC, DCU, VOICE/DATA, FEC 1/2
3700.0000 - 4200.0000 MHz		13K3G1E		QPSK, SCPC, CELP, VOICE/DATA, FEC 3/4

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00265 E E2219 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: RUBY, AK  
64 ° 44 ' 20.80 " N LAT. 155 ° 29 ' 17.90 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-46
5925.0000 - 6425.0000 MHz		1M15G7W	59.50 dBW	QPSK, T1, ADPCM
3700.0000 - 4200.0000 MHz		1M15G7W		QPSK, T1, ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00266 E E2281 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

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SITE ID: 1  
LOCATION: CHITNA EARTH STATION, CHITINA, CHITINA, AK  
61 ° 39 ' 57.00 " N LAT. 144 ° 26 ' 9.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-39239

5925.0000 - 6425.0000 MHz 1M15G7W 62.52 dBW QPSK, VOICE, DATA, FEC 7/8, ADPCM

3700.0000 - 4200.0000 MHz 1M15G7W QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES - RWL - 20110308 - 00267 E E2265 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: TATILEK, TATITLEK, AK  
60 ° 51 ' 51.00 " N LAT. 146 ° 40 ' 38.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION

5925.0000 - 6425.0000 MHz 30K0F3W 39.20 dBW

5925.0000 - 6425.0000 MHz 24K0G1D 40.60 dBW

5925.0000 - 6425.0000 MHz 86K4G1D 49.30 dBW

5925.0000 - 6425.0000 MHz 75K6G1D 48.80 dBW

5925.0000 - 6425.0000 MHz 53K3G1W 47.60 dBW

5925.0000 - 6425.0000 MHz 26K7G1W 42.10 dBW

5925.0000 - 6425.0000 MHz 13K3G1E 36.60 dBW

3700.0000 - 4200.0000 MHz

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00268 E E2203 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: ANVIK EARTH STATION, ANVIK, AK  
62 ° 38 ' 59.00 " N LAT. 160 ° 11 ' 34.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA5-46A	
5925.0000 - 6425.0000 MHz			1M15G7W	62.82 dBW	QPSK, VOICE, DATA, FEC 7/8, ADPCM
3700.0000 - 4200.0000 MHz			1M15G7W		QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00269 E E2204 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: IGIUGIG, AK  
59 ° 19 ' 39.00 " N LAT. 155 ° 53 ' 33.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA4-39239	
5925.0000 - 6425.0000 MHz			30K0F3W	39.10 dBW	
5925.0000 - 6425.0000 MHz			24K0G1D	40.60 dBW	
5925.0000 - 6425.0000 MHz			86K4G1D	49.20 dBW	
5925.0000 - 6425.0000 MHz			75K6G1D	48.70 dBW	
5925.0000 - 6425.0000 MHz			53K3G1W	47.50 dBW	
5925.0000 - 6425.0000 MHz			26K7G1W	42.10 dBW	
5925.0000 - 6425.0000 MHz			13K3G1E	36.60 dBW	
3700.0000 - 4200.0000 MHz					

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**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20110308-00270** E E2244 Alascom, Inc.

Renewal

05/29/2011 - 05/29/2026

Grant of Authority

Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: PILOT POINT, PILOT POINT, AK

57 ° 33 ' 53.00 " N LAT.

157 ° 34 ' 30.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION

5925.0000 - 6425.0000 MHz 30K0F3W 41.40 dBW

5925.0000 - 6425.0000 MHz 24K0G1D 40.60 dBW

5925.0000 - 6425.0000 MHz 86K4G1D 51.50 dBW

5925.0000 - 6425.0000 MHz 75K6G1D 51.00 dBW

5925.0000 - 6425.0000 MHz 53K3G1W 49.80 dBW

5925.0000 - 6425.0000 MHz 26K7G1W 42.10 dBW

5925.0000 - 6425.0000 MHz 13K3G1E 36.60 dBW

3700.0000 - 4200.0000 MHz

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20110308-00271** E E2262 Alascom, Inc.

Renewal

05/29/2011 - 05/29/2026

Grant of Authority

Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: NULATO, AK

64 ° 43 ' 50.70 " N LAT.

158 ° 6 ' 47.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA5-46A

5925.0000 - 6425.0000 MHz 1M15G7W 56.20 dBW QPSK, T1, ADPCM

3700.0000 - 4200.0000 MHz 1M15G7W

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00272 E E2202 Alascom, Inc. 05/29/2011 - 05/29/2026  
Renewal Date Effective: 03/11/2011  
Grant of Authority

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: GRAYLING EARTH STATION, GRAYLING, AK  
62 ° 54 ' 11.00 " N LAT. 160 ° 3 ' 54.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-39239  
5925.0000 - 6425.0000 MHz 1M15G7W 62.52 dBW QPSK, VOICE, DATA, FEC 7/8, ADPCM  
3700.0000 - 4200.0000 MHz 1M15G7W QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00273 E E2216 Alascom, Inc. 05/29/2011 - 05/29/2026  
Renewal Date Effective: 03/11/2011  
Grant of Authority

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: HUGHES, AK  
66 ° 2 ' 50.00 " N LAT. 154 ° 15 ' 20.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-AP  
5925.0000 - 6425.0000 MHz 1M77F1D 69.90 dBW  
3700.0000 - 4200.0000 MHz 1M77F1D

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00274 E E2327 Alascom Inc./United Utilities, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: MINTO EARTH STATION, MINTO, AK  
65 ° 8 ' 58.40 " N LAT. 149 ° 21 ' 10.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA 45-39239
5925.0000 - 6425.0000 MHz		1M15G7W	62.52 dBW	QPSK, VOICE, DATA, FEC 7/8, ADPCM
3700.0000 - 4200.0000 MHz		1M15G7W		QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00275 E E2215 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: HUSLIA, AK  
65 ° 41 ' 54.90 " N LAT. 156 ° 23 ' 59.40 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
5925.0000 - 6425.0000 MHz		1M15G7W	56.70 dBW	QPSK, T1, ADPCM
3700.0000 - 4200.0000 MHz		1M15G7W		

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00276 E E2223 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

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SITE ID: 1  
LOCATION: MESHUK, AK  
56 ° 55 ' 25.00 " N LAT. 158 ° 39 ' 53.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-46A
	5925.0000 - 6425.0000 MHz		1M77G7W	71.20 dBW
	5925.0000 - 6425.0000 MHz		24K0G1D	40.60 dBW
	5925.0000 - 6425.0000 MHz		86K4G1D	54.80 dBW
	5925.0000 - 6425.0000 MHz		75K6G1D	54.20 dBW
	5925.0000 - 6425.0000 MHz		53K3G1W	54.10 dBW
	5925.0000 - 6425.0000 MHz		26K7G1W	51.00 dBW
	5925.0000 - 6425.0000 MHz		13K3G1E	36.60 dBW
	3700.0000 - 4200.0000 MHz			

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES - RWL - 20110308 - 00277 E E2239 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: KOYUKUK EARTH STATION, KOYUKUK, AK  
64 ° 52 ' 58.00 " N LAT. 157 ° 42 ' 24.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
	5925.0000 - 6425.0000 MHz		1M15G7W	62.52 dBW QPSK, VOICE, DATA, FEC 7/8, ADPCM
	3700.0000 - 4200.0000 MHz		1M15G7W	QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00278 E E2192 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: KASAAN, AK  
55 ° 32 ' 22.70 " N LAT. 132 ° 24 ' 10.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
	5925.0000 - 6425.0000 MHz		1M15G7W	59.20 dBW
				QPSK, T1, ADPCM
	3700.0000 - 4200.0000 MHz		1M15G7W	0.00 dBW

**Points of Communication:**

1 - ALSAT - (ALSAT)

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SES-RWL-20110308-00279 E E2209 Alascom, Inc.  
Renewal 05/29/2011 - 05/29/2026  
Grant of Authority Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: NEW STUYAHOK, AK  
59 ° 27 ' 9.00 " N LAT. 157 ° 18 ' 31.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
	5925.0000 - 6425.0000 MHz		30K0F3W	40.50 dBW
	5925.0000 - 6425.0000 MHz		24K0G1D	40.60 dBW
	5925.0000 - 6425.0000 MHz		86K4G1D	50.60 dBW
	5925.0000 - 6425.0000 MHz		75K6G1D	50.10 dBW
	5925.0000 - 6425.0000 MHz		53K3G1W	48.90 dBW
	5925.0000 - 6425.0000 MHz		26K7G1W	45.90 dBW
	5925.0000 - 6425.0000 MHz		13K3G1E	36.60 dBW
	3700.0000 - 4200.0000 MHz		30K0F3W	
	3700.0000 - 4200.0000 MHz		24K0G1D	

3700.0000 - 4200.0000 MHz	86K4G1D
3700.0000 - 4200.0000 MHz	75K6G1D
3700.0000 - 4200.0000 MHz	53K3G1W
3700.0000 - 4200.0000 MHz	26K7G1W
3700.0000 - 4200.0000 MHz	13K3G1E

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20110308-00280</b>	E E2235	Alascom, Inc.	
Renewal			05/29/2011 - 05/29/2026
Grant of Authority			Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: SHAGELUK EARTH STATION, SHAGELUK, AK  
62 ° 39 ' 28.00 " N LAT. 159 ° 31 ' 39.00 " W LONG.

ANTENNA ID: 1	4.5 meters	ANDREW CORPORATION	ESA5-46A
5925.0000 - 6425.0000 MHz	1M15G7W	62.82 dBW	QPSK, VOICE, DATA, FEC 7/8, ADPCM
3700.0000 - 4200.0000 MHz	1M15G7W		QPSK, VOICE, DATA, FEC 7/8, ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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<b>SES-RWL-20110308-00281</b>	E E2267	Alascom, Inc.	
Renewal			05/29/2011 - 05/29/2026
Grant of Authority			Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1  
LOCATION: RAMPART EARTH STATION, RAMPART, AK  
65 ° 30 ' 23.70 " N LAT. 150 ° 10 ' 6.80 " W LONG.

ANTENNA ID: 1	4.5 meters	ANDREW CORPORATION	ESA45-46
5925.0000 - 6425.0000 MHz	1M15G7W	62.72 dBW	QPSK, VOICE, DATA, FEC 7/8, ADPCM

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3700.0000 - 4200.0000 MHz

1M15G7W

QPSK, VOICE, DATA, FEC 7/8,  
ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-RWL-20110308-00282** E E2201 Alascom, Inc.

Renewal

05/29/2011 - 05/29/2026

Grant of Authority

Date Effective: 03/11/2011

**Class of Station:** Fixed Earth Stations

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

SITE ID: 1

LOCATION: PORT ALSWORTH EARTH STATION, PORT ALSWORTH, AK

60 ° 12 ' 15.00 " N LAT.

154 ° 18 ' 52.00 " W LONG.

ANTENNA ID: 1

4.5 meters

ANDREW CORPORATION

ESA45-39239

5925.0000 - 6425.0000 MHz

1M15G7W

62.52 dBW

QPSK, VOICE, DATA, FEC 7/8,  
ADPCM

3700.0000 - 4200.0000 MHz

1M15G7W

QPSK, VOICE, DATA, FEC 7/8,  
ADPCM

**Points of Communication:**

1 - ALSAT - (ALSAT)

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**SES-STA-20110308-00258** E E080030 LightSquared Subsidiary LLC

Special Temporary Authority

Grant of Authority

Date Effective: 03/15/2011

**Class of Station:**

STA extension granted with conditions for a period of 30 days from March 16, 2011 to April 15, 2011 to permit higher power operations in the 12750-12752 MHz band for TT&C.

**Points of Communication:**

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**SES-T/C-20110108-00030** E E930218 CBS COMMUNICATIONS SERVICES INC.

Application for Consent to Transfer of Control

Consummated

Date Effective: 12/10/2010

**Current Licensee:** CBS COMMUNICATIONS SERVICES INC.

**FROM:** NAIRI, INC.

**TO:** NATIONAL AMUSEMENTS, INC.

No. of Station(s) listed: 1

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**SES-T/C-20110108-00031** E E860670 SACRAMENTO TELEVISION STATIONS INC.  
Application for Consent to Transfer of Control  
Consummated Date Effective: 12/10/2010

**Current Licensee:** SACRAMENTO TELEVISION STATIONS INC.  
**FROM:** NAIRI, INC.  
**TO:** NATIONAL AMUSEMENTS, INC.

No. of Station(s) listed: 2

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**SES-T/C-20110108-00032** E E8359 CBS TELEVISION STATIONS INC.  
Application for Consent to Transfer of Control  
Consummated Date Effective: 12/10/2010

**Current Licensee:** CBS TELEVISION STATIONS INC.  
**FROM:** NAIRI, INC.  
**TO:** NATIONAL AMUSEMENTS, INC.

No. of Station(s) listed: 2

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**SES-T/C-20110108-00033** E E6556 CBS RADIO EAST INC.  
Application for Consent to Transfer of Control  
Consummated Date Effective: 12/10/2010

**Current Licensee:** CBS RADIO EAST INC.  
**FROM:** NAIRI, INC.  
**TO:** NATIONAL AMUSEMENTS, INC.

No. of Station(s) listed: 3

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**SES-T/C-20110108-00034** E E6553 CBS CORPORATION  
Application for Consent to Transfer of Control  
Consummated Date Effective: 12/10/2010

**Current Licensee:** CBS CORPORATION  
**FROM:** NAIRI, INC.  
**TO:** NATIONAL AMUSEMENTS, INC.

No. of Station(s) listed: 4

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**SES-T/C-20110108-00035** E E080001 CBS BROADCASTING INC.  
Application for Consent to Transfer of Control  
Consummated Date Effective: 12/10/2010

**Current Licensee:** CBS BROADCASTING INC.  
**FROM:** NAIRI, INC.  
**TO:** NATIONAL AMUSEMENTS, INC.

No. of Station(s) listed: 3

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**SES-T/C-20110113-00037** E E100094 CABLEVISION SYSTEMS CORPORATION  
Application for Consent to Transfer of Control  
Consummated Date Effective: 12/14/2010

**Current Licensee:** BRESNAN COMMUNICATIONS, LLC  
**FROM:** WILLIAM J. BRESNAN REVOCABL TRUST  
**TO:** CABLEVISION SYSTEMS CORPORATION

No. of Station(s) listed: 34

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**SURRENDER**

**SES-RWL-20010411-00827** E910320 Oregon Public Broadcasting

License has been surrendered per letter filed on March 15, 2011.

**SES-RWL-20071213-01694** E980075 RapComm, L.L.C.

**SURRENDER**

License surrendered by Licensee, per letter filed March 11, 2011.

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