



PUBLIC NOTICE

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

News media information 202-418-0500
Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
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Report No. SES-01319

Wednesday February 9, 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-20101112-01420 E E000584 ABS-CBN International, Inc.
Amendment
Grant of Authority Date Effective: 02/03/2011

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: 2301 Columbia Blvd., Contra Costa, Richmond, CA
37 ° 54 ' 16.00 " N LAT.

122 ° 18 ' 59.00 " W LONG.

ANTENNA ID:	1	11 meters	Vertex	11KPC
	5925.0000 - 6425.0000 MHz	9M00G1F	83.30 dBW	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
	5925.0000 - 6425.0000 MHz	200KF3E	67.59 dBW	FM ANALOG AUDIO
	5925.0000 - 6425.0000 MHz	54K6G7W-	65.50 dBW	QPSK, 8PSK DIGITAL DATA
	5925.0000 - 6425.0000 MHz	35M9G7W	83.30 dBW	QPSK, 8PSK DIGITAL DATA
	5925.0000 - 6425.0000 MHz	618KD7W-	72.40 dBW	16QAM DIGITAL DATA
	5925.0000 - 6425.0000 MHz	20M3D7W	85.90 dBW	16QAM DIGITAL DATA
	5925.0000 - 6425.0000 MHz	24M0G7F	83.30 dBW	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
	5925.0000 - 6425.0000 MHz	36M0F8F	83.30 dBW	FM ANALOG VIDEO/AUDIO
	5925.0000 - 6425.0000 MHz	18M0F8F-	83.30 dBW	FM ANALOG VIDEO/AUDIO
	5925.0000 - 6425.0000 MHz	38K4G7E	63.90 dBW	DIGITAL AUDIO

5925.0000 - 6425.0000 MHz	20M5D7W	79.40 dBW	16 QAM
5925.0000 - 6425.0000 MHz	35M9G7W	79.40 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	618KD7W-	74.30 dBW	16 QAM
5925.0000 - 6425.0000 MHz	54K6G7W-	61.10 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	36M0F8F	79.40 dBW	ANALOG TV
5925.0000 - 6425.0000 MHz	18M0F8F-	79.40 dBW	ANALOG TV
5925.0000 - 6425.0000 MHz	9M00G1F	79.40 dBW	DIGITAL TV
5925.0000 - 6425.0000 MHz	200KF3E	63.90 dBW	SCPC AUDIO FM
5925.0000 - 6425.0000 MHz	38K4G7E	59.50 dBW	DIGITAL AUDIO
5925.0000 - 6425.0000 MHz	24M0G7F	79.40 dBW	MCPC DIGITAL TV
3700.0000 - 4200.0000 MHz	18M0F8F-		FM ANALOG VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	36M0F8F		FM ANALOG VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	9M00G1F		SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	200KF3E		FM ANALOG AUDIO
3700.0000 - 4200.0000 MHz	38K4G7E		DIGITAL AUDIO
3700.0000 - 4200.0000 MHz	35M9G7W		QPSK, 8PSK DIGITAL DATA
3700.0000 - 4200.0000 MHz	618KD7W-		16QAM DIGITAL DATA
3700.0000 - 4200.0000 MHz	20M3D7W		16QAM DIGITAL DATA
3700.0000 - 4200.0000 MHz	24M0G7F		MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	54K6G7W-		QPSK, 8PSK DIGITAL DATA
3700.0000 - 4200.0000 MHz			ANALOG, DIGITAL TV, SCPC AUDIO FM, DIGITAL, 16 QAM
ANTENNA ID: 2	7.6 meters	Andrew	ES76K-1
14000.0000 - 14500.0000 MHz	38K4G7W	55.12 dBW	DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	36M0G7F	84.84 dBW	MCPC DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	9M00G1F	78.82 dBW	SCPC DIGITAL VIDEO

14000.0000 - 14500.0000 MHz	20M3D7W	82.35 dBW	16 QAM DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M00G1F-	72.29 dBW	SCPC DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	6M00G7F-	77.06 dBW	MCPC DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	618KD7W-	67.19 dBW	16 QAM DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0F8F	86.30 dBW	FM ANALOG VIDEO/AUDIO
14000.0000 - 14500.0000 MHz	18M0F8F-	86.30 dBW	FM ANALOG VIDEO/AUDIO
14000.0000 - 14500.0000 MHz	35M9G7W	84.83 dBW	QPSK, 8PSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	54K6G7W-	56.65 dBW	QPSK, 8PSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz			DIGITAL AUDIO, 16 QAM DIGITAL DATA, FM ANALOG VIDEO/AUDIO, QPSK, 8PSK, DIGITAL DATA, SCPC DIGITAL VIDEO, MCPC DIGITAL VIDEO
10950.0000 - 11200.0000 MHz	200KF3E		FM ANALOG AUDIO
10950.0000 - 11200.0000 MHz	38K4G7W		DIGITAL AUDIO
10950.0000 - 11200.0000 MHz	18M0F8F-		FM ANALOG VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	36M0F8F		FM ANALOG VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	9M00G1F		SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	36M0G7F		MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	54K6G7W-		QPSK, 8PSK DIGITAL DATA
10950.0000 - 11200.0000 MHz	618KD7W-		16QAM DIGITAL DATA
10950.0000 - 11200.0000 MHz	6M00G7F-		MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	35M9G7W		QPSK, 8PSK DIGITAL DATA
10950.0000 - 11200.0000 MHz	20M3D7W		16QAM DIGITAL DATA
11450.0000 - 11700.0000 MHz	200KF3E		FM ANALOG AUDIO
11450.0000 - 11700.0000 MHz	18M0F8F-		FM ANALOG VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	36M0F8F		FM ANALOG VIDEO/AUDIO

11450.0000 - 11700.0000 MHz	2M00G1F-	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	9M00G1F	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	6M00G7F-	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	36M0G7F	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	54K6G7W-	QPSK, 8PSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	35M9G7W	QPSK, 8PSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	618KD7W-	16QAM DIGITAL DATA
11450.0000 - 11700.0000 MHz	20M3D7W	16QAM DIGITAL DATA
12200.0000 - 12750.0000 MHz	200KF3E	FM ANALOG AUDIO
12200.0000 - 12750.0000 MHz	38K4G7W	DIGITAL AUDIO
12200.0000 - 12750.0000 MHz	18M0F8F-	FM ANALOG VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	36M0F8F	FM ANALOG VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	2M00G1F-	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	9M00G1F	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	36M0G7F	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	54K6G7W-	QPSK, 8PSK DIGITAL DATA
12200.0000 - 12750.0000 MHz	618KD7W-	16QAM DIGITAL DATA
12200.0000 - 12750.0000 MHz	20M3D7W	16QAM DIGITAL DATA
10950.0000 - 11200.0000 MHz	2M00G1F-	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	38K4G7W	DIGITAL AUDIO
12200.0000 - 12750.0000 MHz	6M00G7F-	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	35M9G7W	QPSK, 8PSK DIGITAL DATA

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - GE-23 - (172 E. L.)
- 1 - INTELSAT POR - (174.0 E.L.)
- 1 - INTELSAT POR - (176.0 E.L.)
- 1 - INTELSAT POR - (180.0 E.L.)
- 1 - NSS-5 - (183 E.L.)
- 1 - PANAMSAT 5 - (194 W.L.)
- 1 - PAS-4 - (191.0 W.L.)

SES-AMD-20100809-01021 E E090095 UPSTREAM INVESTMENTS, LLC

Amendment

Grant of Authority

Date Effective: 02/08/2011

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: LAF HUB 3.8

LOCATION: 4021 AMBASSADOR CAFFERY PARKWAY (HUB- B) 3.8M., LAFAYETTE PARISH, LAFAYETTE, LA
30 ° 10 ' 1.72 " N LAT. 92 ° 0 ' 18.10 " W LONG.

ANTENNA ID:	3.8 HUB-B	3.8 meters	GENERAL DYNAMICS	3.8	
	14000.0000 - 14500.0000 MHz		4M00G7D	61.40 dBW	DIGITAL DATA, VIDEO, AND VOICE
	11700.0000 - 12200.0000 MHz		4M00G7D		DIGITAL DATA, VIDEO, AND VOICE

SITE ID: LAF HUB 8.1

LOCATION: 4021 AMBASSADOR CAFFERY PARKWAY (HUB- A) 8.1M., LAFAYETTE PARISH, LAFAYETTE, LA
30 ° 10 ' 1.72 " N LAT. 92 ° 0 ' 18.10 " W LONG.

ANTENNA ID:	8.1 HUB-A	8.1 meters	GENERAL DYNAMICS	8.1 KPK	
	14000.0000 - 14500.0000 MHz		4M00G7D	70.50 dBW	DIGITAL DATA, VIDEO, AND VOICE
	11700.0000 - 12200.0000 MHz		4M00G7D		DIGITAL DATA, VIDEO, AND VOICE

SITE ID: LAF VSAT 1.2

LOCATION: 4021 AMBASSADOR CAFFERY PARKWAY VSAT 1.2, CONUS, (320 UNITS)

ANTENNA ID:	1.2 VSAT	1.2 meters	PRODELIN	1123	
	14000.0000 - 14500.0000 MHz		1M00G7D	49.20 dBW	DIGITAL DATA, VIDEO, AND VOICE
	11700.0000 - 12200.0000 MHz		1M00G7D		DIGITAL DATA, VIDEO, AND VOICE

SITE ID: LAF VSAT 1.8
LOCATION: 4021 AMBASSADOR CAFFERY PARKWAY VSAT 1.8, CONUS, (80 UNITS)

ANTENNA ID:	1.8 VSAT	1.8 meters	PRODELIN	1184	
	14000.0000 - 14500.0000 MHz		1M00G7D	52.50 dBW	DIGITAL DATA, VIDEO, AND VOICE
	11700.0000 - 12200.0000 MHz		1M00G7D		DIGITAL DATA, VIDEO, AND VOICE

Points of Communication:

LAF HUB 3.8 - ALSAT - (ALSAT)
LAF HUB 3.8 - AMC-15 - (105 W.L.)
LAF HUB 3.8 - ESTRELA DO SUL 1 - (63 W.L.)
LAF HUB 8.1 - ALSAT - (ALSAT)
LAF HUB 8.1 - AMC-15 - (105 W.L.)
LAF HUB 8.1 - ESTRELA DO SUL 1 - (63 W.L.)
LAF VSAT 1.2 - AMC-15 - (105 W.L.)
LAF VSAT 1.8 - AMC-15 - (105 W.L.)

SES-AMD-20101103-01392 E KA399 TELESAT NETWORK SERVICES, INC.

Amendment

Grant of Authority

Date Effective: 02/08/2011

Class of Station: Other

Nature of Service: Fixed Satellite Service, Other

SITE ID: 1
LOCATION: 1305 INDUSTRIAL PARK ROAD, SHENANDOAH, MOUNT JACKSON, VA
38 ° 43 ' 42.00 " N LAT. 78 ° 39 ' 25.00 " W LONG.

ANTENNA ID:	15M	15 meters	VERTEX	15 KPK	
	14001.0000 - 14499.0000 MHz		960KF2D	93.10 dBW	TT&C
	14000.0000 - 14500.0000 MHz		17M5F3F	79.30 dBW	
	14000.0000 - 14500.0000 MHz		36M0F3F	70.80 dBW	
	14000.0000 - 14500.0000 MHz		49K0G1D	45.70 dBW	
	14000.0000 - 14500.0000 MHz		49K0G1E	45.70 dBW	
	14000.0000 - 14500.0000 MHz		49K0G1F	45.70 dBW	
	14000.0000 - 14500.0000 MHz		1M80G1D	61.30 dBW	

14000.0000 - 14500.0000 MHz	1M80G1E	61.30 dBW	
14000.0000 - 14500.0000 MHz	1M80G1F	61.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1D	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1E	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M03G1F	67.30 dBW	
14000.0000 - 14500.0000 MHz	100HN0N	64.50 dBW	
14000.0000 - 14500.0000 MHz	2M70G1C	78.80 dBW	
14000.0000 - 14500.0000 MHz	2M70G1D	78.80 dBW	
14000.0000 - 14500.0000 MHz	2M70G1E	78.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1C	91.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1D	91.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1E	91.80 dBW	
14000.0000 - 14500.0000 MHz	41M1G1C	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1D	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1E	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1F	90.60 dBW	
14000.0000 - 14500.0000 MHz	36M0G7W	86.10 dBW	DIGITAL, VIDEO, DATA AND VOICE
14000.0000 - 14500.0000 MHz	36M0G7W	73.40 dBW	DIGITAL, VIDEO, DATA AND VOICE
13810.0000 - 14000.0000 MHz	54M0G7W	85.00 dBW	DIGITAL, VIDEO, DATA AND VOICE
11705.5000 - 12199.0000 MHz	850KF2D		TT&C
11700.0000 - 12200.0000 MHz			
11700.0000 - 12200.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
11451.0000 - 11451.0000 MHz	850KF2D		ORION
11450.5000 - 11450.5000 MHz	850KF2D		ORION
11450.0000 - 11950.0000 MHz			INTELSAT
10950.0000 - 11700.0000 MHz	54M0G7W		(WTO-COVERED SERVICES ONLY)

10950.0000 - 11200.0000 MHz			INTELSAT		
ANTENNA ID:	LMA4T11N	9 meters	VERTEX	9 KPK	
14498.0000 - 14500.0000 MHz			850KF2D	69.70 dBW	
14000.0000 - 14500.0000 MHz			17M5F3F	79.30 dBW	
14000.0000 - 14500.0000 MHz			36M0F3F	70.80 dBW	
14000.0000 - 14500.0000 MHz			49K0G1D	45.70 dBW	
14000.0000 - 14500.0000 MHz			49K0G1E	45.70 dBW	
14000.0000 - 14500.0000 MHz			49K0G1F	45.70 dBW	
14000.0000 - 14500.0000 MHz			1M80G1D	61.30 dBW	
14000.0000 - 14500.0000 MHz			1M80G1E	61.30 dBW	
14000.0000 - 14500.0000 MHz			1M80G1F	61.30 dBW	
14000.0000 - 14500.0000 MHz			7M04G1D	67.30 dBW	
14000.0000 - 14500.0000 MHz			7M04G1E	67.30 dBW	
14000.0000 - 14500.0000 MHz			7M04G1F	67.30 dBW	
14000.0000 - 14500.0000 MHz			41M1G1D	86.50 dBW	
14000.0000 - 14500.0000 MHz			41M1G1E	86.50 dBW	
14000.0000 - 14500.0000 MHz			41M1G1F	86.50 dBW	
14000.0000 - 14500.0000 MHz			100HN0N	85.50 dBW	
14000.0000 - 14500.0000 MHz			2M70G1C	74.70 dBW	
14000.0000 - 14500.0000 MHz			2M70G1D	74.70 dBW	
14000.0000 - 14500.0000 MHz			2M70G1E	74.70 dBW	
14000.0000 - 14500.0000 MHz			41M1G1C	86.50 dBW	
14000.0000 - 14500.0000 MHz			1M76G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK
14000.0000 - 14500.0000 MHz			3M52G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK
14000.0000 - 14500.0000 MHz			5M77G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK
13810.0000 - 14000.0000 MHz			1M76G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK

13810.0000 - 14000.0000 MHz	3M52G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK
13810.0000 - 14000.0000 MHz	5M77G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz			
11700.0000 - 12200.0000 MHz	1M60G7W		1750 Kbps, 66 FEC, QPSK
11700.0000 - 12200.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
11700.0000 - 12200.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
11451.0000 - 11451.0000 MHz	850KF2D		ORION
11450.5000 - 11450.5000 MHz	850KF2D		ORION
11450.0000 - 11950.0000 MHz			INTELSAT
11450.0000 - 11700.0000 MHz	1M60G7W		1750 Kbps, 66 FEC, QPSK
11450.0000 - 11700.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
11450.0000 - 11700.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
11450.0000 - 11700.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
10950.0000 - 11200.0000 MHz			INTELSAT
10950.0000 - 11200.0000 MHz	1M60G7W		1750 Kbps, .66 FEC, QPSK
10950.0000 - 11200.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
10950.0000 - 11200.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
10950.0000 - 11200.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
ANTENNA ID: 1.8M	1.8 meters	PRODELIN	1184
14000.0000 - 14500.0000 MHz	200KG7W	49.50 dBW	
14000.0000 - 14500.0000 MHz	320KG7W	49.50 dBW	
14000.0000 - 14500.0000 MHz	640KG7W	49.50 dBW	
11700.0000 - 12200.0000 MHz	200KG7W		
11700.0000 - 12200.0000 MHz	320KG7W		
11700.0000 - 12200.0000 MHz	640KG7W		
ANTENNA ID: 2.4M	2.4 meters	PRODELIN	1246

14000.0000 - 14500.0000 MHz	1M28G7W	58.20 dBW	
14000.0000 - 14500.0000 MHz	2M56G7W	58.20 dBW	
14000.0000 - 14500.0000 MHz	800KG7W	58.20 dBW	
11700.0000 - 12200.0000 MHz	2M56G7W		
11700.0000 - 12200.0000 MHz	1M28G7W		ORION, PAS
11700.0000 - 12200.0000 MHz	800KG7W		
ANTENNA ID: 4003A ESV	1 meters	SEATEL	4003A
12500.0000 - 12750.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
12500.0000 - 12750.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
12500.0000 - 12750.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11700.0000 - 12200.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11450.0000 - 11700.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
10950.0000 - 11200.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
ANTENNA ID: 4006 ESV	1 meters	SEATEL	4006
14000.0000 - 14500.0000 MHz	400KG7W	50.30 dBW	350 Kbps, .533 FEC, QPSK
14000.0000 - 14500.0000 MHz	500KG7W	50.30 dBW	540 Kbps, .66 FEC, QPSK
14000.0000 - 14500.0000 MHz	470KG7W	50.80 dBW	410 Kbps, .533 FEC, QPSK
14000.0000 - 14500.0000 MHz	1M60G7W	50.30 dBW	1750 Kbps, .66 FEC, QPSK
12500.0000 - 12750.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
12500.0000 - 12750.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK

12500.0000 - 12750.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11700.0000 - 12200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11450.0000 - 11700.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
10950.0000 - 11200.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
ANTENNA ID: 2406 ESV	0.6 meters	SEATEL	2406
14000.0000 - 14500.0000 MHz	943KG7W	45.00 dBW	1037 Kbps, QPSK, 33/50 FEC
14200.0000 - 14470.0000 MHz	943KG7W	45.00 dBW	1037 Kbps, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: 6006 ESV	1.5 meters	SEATEL	6006
14000.0000 - 14500.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
14200.0000 - 14470.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL

Points of Communication:

1 - ALSAT - (ALSAT)

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

1 - EUTELSAT AB-2 - (8.0 W.L.)

1 - ORION-3 - (139 E.L.)

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

SES-LIC-20101222-01580 E E100142 COX RADIO, INC. 02/02/2011 - 02/02/2026
Application for Authority
Grant of Authority Date Effective: 02/02/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 1601 WEST PEACHTREE STREET, FULTON, ATLANTA, GA
33 ° 47 ' 55.00 " N LAT. 84 ° 23 ' 13.80 " W LONG.

ANTENNA ID:	ATLANTA	3.8 meters	PRODELIN	1385
3700.0000 - 4200.0000 MHz		230KG7W		DIGITAL AUDIO AND DATA, 192 KBPS, QPSK, 1/2 FEC
5925.0000 - 6425.0000 MHz		230KG7W	49.52 dBW	DIGITAL AUDIO AND DATA, 192 KBPS, QPSK, 1/2 FEC
3700.0000 - 4200.0000 MHz		154KG7W		DIGITAL AUDIO AND DATA, 128 KBPS, QPSK, 1/2 FEC
5925.0000 - 6425.0000 MHz		154KG7W	47.72 dBW	DIGITAL AUDIO AND DATA, 128 KBPS, QPSK, 1/2 FEC

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MFS-20100430-00497 E E050018 NEWCOM INTERNATIONAL, INC. 03/23/2005 - 03/23/2020
Modification
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 15590 N.W. 15TH AVE., DADE, MIAMI, FL
25 ° 54 ' 59.30 " N LAT. 80 ° 13 ' 29.20 " W LONG.

ANTENNA ID:	4.5 C	4.5 meters	ANDREW CORPORATION	4.5 Meter
6391.0000 - 6425.0000 MHz		34M0G7W	67.70 dBW	digital modulation, voice and data services
6391.0000 - 6425.0000 MHz		128KG7D	59.00 dBW	digital modulation, voice and data services

6331.0000 - 6359.0000 MHz	28M0G7W	67.70 dBW	digital modulation, voice and data services
6331.0000 - 6359.0000 MHz	128KG7D	59.00 dBW	digital modulation, voice and data services
6272.0000 - 6299.0000 MHz	27M0G7W	67.70 dBW	digital modulation, voice and data services
6272.0000 - 6299.0000 MHz	128KG7D	59.00 dBW	digital modulation, voice and data services
6168.0000 - 6240.0000 MHz	45M0G7W	67.70 dBW	digital modulation, voice and data services
6168.0000 - 6240.0000 MHz	128KG7D	59.00 dBW	digital modulation, voice and data services
6079.0000 - 6107.0000 MHz	28M0G7W	67.70 dBW	digital modulation, voice and data services
6079.0000 - 6107.0000 MHz	128KG7D	59.00 dBW	digital modulation, voice and data services
6020.0000 - 6047.0000 MHz	27M0G7W	67.70 dBW	digital modulation, voice and data services
6020.0000 - 6047.0000 MHz	128KG7D	59.00 dBW	digital modulation, voice and data services
5961.0000 - 5988.0000 MHz	27M0G7W	67.70 dBW	digital modulation, voice and data services
5961.0000 - 5988.0000 MHz	128KG7D	59.00 dBW	digital modulation, voice and data services
5925.0000 - 6425.0000 MHz	45M0G7W	67.70 dBW	digital modulation, voice and data services
5925.0000 - 6425.0000 MHz	128KG7D	52.80 dBW	digital modulation, voice and data services
5925.0000 - 5929.0000 MHz	4M00G7W	59.00 dBW	digital modulation, voice and data services
5925.0000 - 5929.0000 MHz	128KG7D	67.70 dBW	digital modulation, voice and data services
3700.0000 - 4200.0000 MHz	45M0G7W		digital modulation, voice and data services
3700.0000 - 4200.0000 MHz	128KG7D		digital modulation, voice and data services

ANTENNA ID: 4.5 Ku 4.5 meters ANDREW CORPORATION ES45MP-1

14000.0000 - 14500.0000 MHz	128KG7D	54.95 dBW	digital modulation, voice and data services
14000.0000 - 14500.0000 MHz	45M0G7W	74.86 dBW	digital modulation, voice and data services
11700.0000 - 12200.0000 MHz	128KG7D		digital modulation, voice and data services
11700.0000 - 12200.0000 MHz	45M0G7W	0.00 dBW	digital modulation, voice and data services
ANTENNA ID: ES 3	4.6 meters	ANDREW CORPORATION	ES46MP-1
11700.0000 - 12200.0000 MHz	128KG7D		digital w/various modulation, forward error correction, and data rate configurations
11700.0000 - 12200.0000 MHz	45M0G7W		digital w/various modulation, forward error correction, and data rate configurations
14000.0000 - 14500.0000 MHz	128KG7D	56.05 dBW	digital w/various modulation, forward error correction, and data rate configurations
14000.0000 - 14500.0000 MHz	45M0G7W	75.96 dBW	digital w/various modulation, forward error correction, and data rate configurations
ANTENNA ID: ES 2C	4.5 meters	ANDREW CORPORATION	ES45MP-1
5925.0000 - 5929.0000 MHz	4M0G7W	49.00 dBW	digital w/various modulation, forward error correction, and data rate configurations
3700.0000 - 4200.0000 MHz	128KG7D		digital w/various modulation, forward error correction, and data rate configurations
3700.0000 - 4200.0000 MHz	45M0G7W		digital w/various modulation, forward error correction, and data rate configurations
5925.0000 - 5929.0000 MHz	128KG7D	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
5925.0000 - 6425.0000 MHz	128KG7D	52.80 dBW	digital w/various modulation, forward error correction, and data rate configurations
5925.0000 - 6425.0000 MHz	45M0G7W	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
5961.0000 - 5988.0000 MHz	128KG7D	59.00 dBW	digital w/various modulation, forward error correction, and data rate configurations

5961.0000 - 5988.0000 MHz	27M0G7W	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
6020.0000 - 6047.0000 MHz	128KG7W	59.00 dBW	digital w/various modulation, forward error correction, and data rate configurations
6020.0000 - 6047.0000 MHz	27M0G7W	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
6079.0000 - 6107.0000 MHz	128KG7D	59.00 dBW	digital w/various modulation, forward error correction, and data rate configurations
6079.0000 - 6107.0000 MHz	28M0G7W	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
6168.0000 - 6240.0000 MHz	128KG7D	59.00 dBW	digital w/various modulation, forward error correction, and data rate configurations
6168.0000 - 6240.0000 MHz	45M0G7W	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
6272.0000 - 6299.0000 MHz	128KG7D	59.00 dBW	digital w/various modulation, forward error correction, and data rate configurations
6272.0000 - 6299.0000 MHz	27M0G7W	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
6331.0000 - 6359.0000 MHz	128KG7D	59.00 dBW	digital w/various modulation, forward error correction, and data rate configurations
6331.0000 - 6359.0000 MHz	28M0G7W	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
6391.0000 - 6425.0000 MHz	128KG7D	59.00 dBW	digital w/various modulation, forward error correction, and data rate configurations
6391.0000 - 6425.0000 MHz	34M0G7W	67.70 dBW	digital w/various modulation, forward error correction, and data rate configurations
ANTENNA ID: ES 2Ku	4.5 meters	ANDREW CORPORATION	ES45MP-1
11700.0000 - 12200.0000 MHz	128KG7D		digital w/various modulation, forward error correction, and data rate configurations

5925.0000 - 6425.0000 MHz	618KD7W-	72.40 dBW	16QAM DIGITAL DATA
5925.0000 - 6425.0000 MHz	20M3D7W	85.90 dBW	16QAM DIGITAL DATA
5925.0000 - 6425.0000 MHz	24M0G7F	83.30 dBW	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
5925.0000 - 6425.0000 MHz	36M0F8F	83.30 dBW	FM ANALOG VIDEO/AUDIO
5925.0000 - 6425.0000 MHz	18M0F8F-	83.30 dBW	FM ANALOG VIDEO/AUDIO
5925.0000 - 6425.0000 MHz	38K4G7E	63.90 dBW	DIGITAL AUDIO
5925.0000 - 6425.0000 MHz	20M5D7W	79.40 dBW	16 QAM
5925.0000 - 6425.0000 MHz	35M9G7W	79.40 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	618KD7W-	74.30 dBW	16 QAM
5925.0000 - 6425.0000 MHz	54K6G7W-	61.10 dBW	DIGITAL
5925.0000 - 6425.0000 MHz	36M0F8F	79.40 dBW	ANALOG TV
5925.0000 - 6425.0000 MHz	18M0F8F-	79.40 dBW	ANALOG TV
5925.0000 - 6425.0000 MHz	9M00G1F	79.40 dBW	DIGITAL TV
5925.0000 - 6425.0000 MHz	200KF3E	63.90 dBW	SCPC AUDIO FM
5925.0000 - 6425.0000 MHz	38K4G7E	59.50 dBW	DIGITAL AUDIO
5925.0000 - 6425.0000 MHz	24M0G7F	79.40 dBW	MCPC DIGITAL TV
3700.0000 - 4200.0000 MHz	18M0F8F-		FM ANALOG VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	36M0F8F		FM ANALOG VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	9M00G1F		SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	200KF3E		FM ANALOG AUDIO
3700.0000 - 4200.0000 MHz	38K4G7E		DIGITAL AUDIO
3700.0000 - 4200.0000 MHz	35M9G7W		QPSK, 8PSK DIGITAL DATA
3700.0000 - 4200.0000 MHz	618KD7W-		16QAM DIGITAL DATA
3700.0000 - 4200.0000 MHz	20M3D7W		16QAM DIGITAL DATA
3700.0000 - 4200.0000 MHz	24M0G7F		MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO

3700.0000 - 4200.0000 MHz	54K6G7W-			QPSK, 8PSK DIGITAL DATA
3700.0000 - 4200.0000 MHz				ANALOG, DIGITAL TV, SCPC AUDIO FM, DIGITAL, 16 QAM
ANTENNA ID: 2	7.6 meters	Andrew		ES76K-1
14000.0000 - 14500.0000 MHz	38K4G7W	55.12 dBW		DIGITAL AUDIO
14000.0000 - 14500.0000 MHz	36M0G7F	84.84 dBW		MCPC DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	9M00G1F	78.82 dBW		SCPC DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	20M3D7W	82.35 dBW		16 QAM DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M00G1F-	72.29 dBW		SCPC DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	6M00G7F-	77.06 dBW		MCPC DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	618KD7W-	67.19 dBW		16 QAM DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0F8F	86.30 dBW		FM ANALOG VIDEO/AUDIO
14000.0000 - 14500.0000 MHz	18M0F8F-	86.30 dBW		FM ANALOG VIDEO/AUDIO
14000.0000 - 14500.0000 MHz	35M9G7W	84.83 dBW		QPSK, 8PSK, DIGITAL DATA
14000.0000 - 14500.0000 MHz	54K6G7W-	56.65 dBW		QPSK, 8PSK, DIGITAL DATA
11700.0000 - 12200.0000 MHz				DIGITAL AUDIO, 16 QAM DIGITAL DATA, FM ANALOG VIDEO/AUDIO, QPSK, 8PSK, DIGITAL DATA, SCPC DIGITAL VIDEO, MCPC DIGITAL VIDEO
10950.0000 - 11200.0000 MHz	200KF3E			FM ANALOG AUDIO
10950.0000 - 11200.0000 MHz	38K4G7W			DIGITAL AUDIO
10950.0000 - 11200.0000 MHz	18M0F8F-			FM ANALOG VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	36M0F8F			FM ANALOG VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	2M00G1F-			SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	6M00G7F-			MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	36M0G7F			MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
10950.0000 - 11200.0000 MHz	54K6G7W-			QPSK, 8PSK DIGITAL DATA

10950.0000 - 11200.0000 MHz	35M9G7W	QPSK, 8PSK DIGITAL DATA
10950.0000 - 11200.0000 MHz	618KD7W-	16QAM DIGITAL DATA
10950.0000 - 11200.0000 MHz	20M3D7W	16QAM DIGITAL DATA
10950.0000 - 11200.0000 MHz	9M00G1F	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	200KF3E	FM ANALOG AUDIO
11450.0000 - 11700.0000 MHz	38K4G7W	DIGITAL AUDIO
11450.0000 - 11700.0000 MHz	18M0F8F-	FM ANALOG VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	36M0F8F	FM ANALOG VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	2M00G1F-	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	9M00G1F	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	6M00G7F-	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	36M0G7F	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
11450.0000 - 11700.0000 MHz	54K6G7W-	QPSK, 8PSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	35M9G7W	QPSK, 8PSK DIGITAL DATA
11450.0000 - 11700.0000 MHz	618KD7W-	16QAM DIGITAL DATA
11450.0000 - 11700.0000 MHz	20M3D7W	16QAM DIGITAL DATA
12200.0000 - 12750.0000 MHz	200KF3E	FM ANALOG AUDIO
12200.0000 - 12750.0000 MHz	38K4G7W	DIGITAL AUDIO
12200.0000 - 12750.0000 MHz	18M0F8F-	FM ANALOG VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	36M0F8F	FM ANALOG VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	2M00G1F-	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	9M00G1F	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
12200.0000 - 12750.0000 MHz	6M00G7F-	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO

14000.0000 - 14500.0000 MHz	1M80G1D	61.30 dBW	
14000.0000 - 14500.0000 MHz	1M80G1E	61.30 dBW	
14000.0000 - 14500.0000 MHz	1M80G1F	61.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1D	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1E	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M03G1F	67.30 dBW	
14000.0000 - 14500.0000 MHz	100HN0N	64.50 dBW	
14000.0000 - 14500.0000 MHz	2M70G1C	78.80 dBW	
14000.0000 - 14500.0000 MHz	2M70G1D	78.80 dBW	
14000.0000 - 14500.0000 MHz	2M70G1E	78.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1C	91.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1D	91.80 dBW	
14000.0000 - 14500.0000 MHz	54M0G1E	91.80 dBW	
14000.0000 - 14500.0000 MHz	41M1G1C	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1D	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1E	90.60 dBW	
14000.0000 - 14500.0000 MHz	41M1G1F	90.60 dBW	
14000.0000 - 14500.0000 MHz	36M0G7W	86.10 dBW	DIGITAL, VIDEO, DATA AND VOICE
14000.0000 - 14500.0000 MHz	36M0G7W	73.40 dBW	DIGITAL, VIDEO, DATA AND VOICE
13810.0000 - 14000.0000 MHz	54M0G7W	85.00 dBW	DIGITAL, VIDEO, DATA AND VOICE
11705.5000 - 12199.0000 MHz	850KF2D		TT&C
11700.0000 - 12200.0000 MHz			
11700.0000 - 12200.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
11451.0000 - 11451.0000 MHz	850KF2D		ORION
11450.5000 - 11450.5000 MHz	850KF2D		ORION
11450.0000 - 11950.0000 MHz			INTELSAT

10950.0000 - 11700.0000 MHz	54M0G7W	(WTO-COVERED SERVICES ONLY)	
10950.0000 - 11200.0000 MHz		INTELSAT	
ANTENNA ID: LMA4T11N	9 meters VERTEX	9 KPK	
14498.0000 - 14500.0000 MHz	850KF2D	69.70 dBW	
14000.0000 - 14500.0000 MHz	17M5F3F	79.30 dBW	
14000.0000 - 14500.0000 MHz	36M0F3F	70.80 dBW	
14000.0000 - 14500.0000 MHz	49K0G1D	45.70 dBW	
14000.0000 - 14500.0000 MHz	49K0G1E	45.70 dBW	
14000.0000 - 14500.0000 MHz	49K0G1F	45.70 dBW	
14000.0000 - 14500.0000 MHz	1M80G1D	61.30 dBW	
14000.0000 - 14500.0000 MHz	1M80G1E	61.30 dBW	
14000.0000 - 14500.0000 MHz	1M80G1F	61.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1D	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1E	67.30 dBW	
14000.0000 - 14500.0000 MHz	7M04G1F	67.30 dBW	
14000.0000 - 14500.0000 MHz	41M1G1D	86.50 dBW	
14000.0000 - 14500.0000 MHz	41M1G1E	86.50 dBW	
14000.0000 - 14500.0000 MHz	41M1G1F	86.50 dBW	
14000.0000 - 14500.0000 MHz	100HN0N	85.50 dBW	
14000.0000 - 14500.0000 MHz	2M70G1C	74.70 dBW	
14000.0000 - 14500.0000 MHz	2M70G1D	74.70 dBW	
14000.0000 - 14500.0000 MHz	2M70G1E	74.70 dBW	
14000.0000 - 14500.0000 MHz	41M1G1C	86.50 dBW	
14000.0000 - 14500.0000 MHz	1M76G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK
14000.0000 - 14500.0000 MHz	3M52G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK
14000.0000 - 14500.0000 MHz	5M77G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK

13810.0000 - 14000.0000 MHz	1M76G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK
13810.0000 - 14000.0000 MHz	3M52G7W	69.00 dBW	1560 Kbps, .533 FEC, QPSK
13810.0000 - 14000.0000 MHz	5M77G7W	69.00 dBW	2560 Kbps, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz			
11700.0000 - 12200.0000 MHz	1M60G7W		1750 Kbps, 66 FEC, QPSK
11700.0000 - 12200.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
11700.0000 - 12200.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
11451.0000 - 11451.0000 MHz	850KF2D		ORION
11450.5000 - 11450.5000 MHz	850KF2D		ORION
11450.0000 - 11950.0000 MHz			INTELSAT
11450.0000 - 11700.0000 MHz	1M60G7W		1750 Kbps, 66 FEC, QPSK
11450.0000 - 11700.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
11450.0000 - 11700.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
11450.0000 - 11700.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
10950.0000 - 11200.0000 MHz			INTELSAT
10950.0000 - 11200.0000 MHz	1M60G7W		1750 Kbps, .66 FEC, QPSK
10950.0000 - 11200.0000 MHz	400KG7W		350 Kbps, 533 FEC, QPSK
10950.0000 - 11200.0000 MHz	470KG7W		410 Kbps, 533 FEC, QPSK
10950.0000 - 11200.0000 MHz	500KG7W		540 Kbps, 66 FEC, QPSK
ANTENNA ID: 1.8M	1.8 meters	PRODELIN	1184
14000.0000 - 14500.0000 MHz	200KG7W	49.50 dBW	
14000.0000 - 14500.0000 MHz	320KG7W	49.50 dBW	
14000.0000 - 14500.0000 MHz	640KG7W	49.50 dBW	
11700.0000 - 12200.0000 MHz	200KG7W		
11700.0000 - 12200.0000 MHz	320KG7W		
11700.0000 - 12200.0000 MHz	640KG7W		

ANTENNA ID:	2.4M	2.4 meters	PRODELIN	1246
	14000.0000 - 14500.0000 MHz		1M28G7W	58.20 dBW
	14000.0000 - 14500.0000 MHz		2M56G7W	58.20 dBW
	14000.0000 - 14500.0000 MHz		800KG7W	58.20 dBW
	11700.0000 - 12200.0000 MHz		2M56G7W	
	11700.0000 - 12200.0000 MHz		1M28G7W	ORION, PAS
	11700.0000 - 12200.0000 MHz		800KG7W	
ANTENNA ID:	4003A ESV	1 meters	SEATEL	4003A
	12500.0000 - 12750.0000 MHz		1M76G7W	1560 Kbps, .533 FEC, QPSK
	12500.0000 - 12750.0000 MHz		3M52G7W	1560 Kbps, .533 FEC, BPSK
	12500.0000 - 12750.0000 MHz		5M77G7W	2560 Kbps, .533 FEC, BPSK
	11700.0000 - 12200.0000 MHz		1M76G7W	1560 Kbps, .533 FEC, QPSK
	11700.0000 - 12200.0000 MHz		3M52G7W	1560 Kbps, .533 FEC, BPSK
	11700.0000 - 12200.0000 MHz		5M77G7W	2560 Kbps, .533 FEC, BPSK
	11450.0000 - 11700.0000 MHz		1M76G7W	1560 Kbps, .533 FEC, QPSK
	11450.0000 - 11700.0000 MHz		3M52G7W	1560 Kbps, .533 FEC, BPSK
	11450.0000 - 11700.0000 MHz		5M77G7W	2560 Kbps, .533 FEC, BPSK
	10950.0000 - 11200.0000 MHz		1M76G7W	1560 Kbps, .533 FEC, QPSK
	10950.0000 - 11200.0000 MHz		3M52G7W	1560 Kbps, .533 FEC, BPSK
	10950.0000 - 11200.0000 MHz		5M77G7W	2560 Kbps, .533 FEC, BPSK
ANTENNA ID:	4006 ESV	1 meters	SEATEL	4006
	14000.0000 - 14500.0000 MHz		400KG7W	50.30 dBW
	14000.0000 - 14500.0000 MHz		500KG7W	50.30 dBW
	14000.0000 - 14500.0000 MHz		470KG7W	50.80 dBW
	14000.0000 - 14500.0000 MHz		1M60G7W	50.30 dBW
	12500.0000 - 12750.0000 MHz		1M76G7W	1560 Kbps, .533 FEC, QPSK

12500.0000 - 12750.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
12500.0000 - 12750.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
11700.0000 - 12200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11700.0000 - 12200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
11450.0000 - 11700.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
11450.0000 - 11700.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	1M76G7W		1560 Kbps, .533 FEC, QPSK
10950.0000 - 11200.0000 MHz	3M52G7W		1560 Kbps, .533 FEC, BPSK
10950.0000 - 11200.0000 MHz	5M77G7W		2560 Kbps, .533 FEC, BPSK
ANTENNA ID: 2406 ESV	0.6 meters	SEATEL	2406
14000.0000 - 14500.0000 MHz	943KG7W	45.00 dBW	1037 Kbps, QPSK, 33/50 FEC
14200.0000 - 14470.0000 MHz	943KG7W	45.00 dBW	1037 Kbps, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
ANTENNA ID: 6006 ESV	1.5 meters	SEATEL	6006
14000.0000 - 14500.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
14200.0000 - 14470.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
12500.0000 - 12750.0000 MHz	943KG7W		NULL
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL

Points of Communication:

1 - ALSAT - (ALSAT)

11700.0000 - 12200.0000 MHz

1M00G7D

DIGITAL DATA, VIDEO, AND VOICE

Points of Communication:

LAF HUB 3.8 - ALSAT - (ALSAT)

LAF HUB 3.8 - AMAZONAS 2 - (61 W.L.)

LAF HUB 3.8 - AMC-15 - (105 W.L.)

LAF HUB 3.8 - ESTRELA DO SUL 1 - (63 W.L.)

LAF HUB 8.1 - ALSAT - (ALSAT)

LAF HUB 8.1 - AMAZONAS 2 - (61 W.L.)

LAF HUB 8.1 - AMC-15 - (105 W.L.)

LAF HUB 8.1 - ESTRELA DO SUL 1 - (63 W.L.)

LAF VSAT 1.2 - AMC-15 - (105 W.L.)

LAF VSAT 1.8 - AMC-15 - (105 W.L.)

SES-MOD-20101101-01391 E E090032 ISAT US INC.

Application for Modification

10/22/2009 - 10/22/2024

Grant of Authority

Date Effective: 02/01/2011

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: Multiple Units

LOCATION: Limited to 100,000 half-duplex ISATPro Phones and 30,000 various terminals, Various (Mobile)

ANTENNA ID:	1	0.8 meters	Nera	Saturn B
	1646.5000 - 1660.5000 MHz	100KG1X	33.00 dBW	64 kbps Data, Fax; O-QPSK
	1646.5000 - 1660.5000 MHz	20K0G1X	25.00 dBW	Signaling; BPSK
	1646.5000 - 1660.5000 MHz	20K0G1E	33.00 dBW	Voice, Data, Fax; O-QPSK
	1626.5000 - 1645.5000 MHz	100KG1X	33.00 dBW	64 kbps Data, Fax; O-QPSK
	1626.5000 - 1645.5000 MHz	20K0G1X	25.00 dBW	Signaling; BPSK
	1626.5000 - 1645.5000 MHz	20K0G1E	33.00 dBW	Voice, Data, Fax; O-QPSK
	1545.0000 - 1559.0000 MHz	100KG1X		64 kbps Data; O-QPSK
	1545.0000 - 1559.0000 MHz	20K0G1X		Signaling; BPSK
	1545.0000 - 1559.0000 MHz	20K0G1E		Voice, Data, Fax; O-QPSK

1525.0000 - 1544.0000 MHz	100KG1X		64 kbps Data; O-QPSK
1525.0000 - 1544.0000 MHz	20K0G1X		Signaling; BPSK
1525.0000 - 1544.0000 MHz	20K0G1E		Voice, Data, Fax; O-QPSK
ANTENNA ID: 2	0.56 meters	Nera	Saturn M
1646.5000 - 1660.5000 MHz	20K0G1X	21.00 dBW	Signaling; BPSK
1646.5000 - 1660.5000 MHz	10K0G1W	27.00 dBW	Voice, Data, Fax; O-QPSK
1626.5000 - 1645.5000 MHz	20K0G1X	21.00 dBW	Signaling; BPSK
1626.5000 - 1645.5000 MHz	10K0G1W	27.00 dBW	Voice, Data, Fax; O-QPSK
1545.0000 - 1559.0000 MHz	20K0G1X		Signaling; BPSK
1545.0000 - 1559.0000 MHz	10K0G1W		Voice, Data, Fax; O-QPSK
1525.0000 - 1544.0000 MHz	20K0G1X		Signaling; BPSK
1525.0000 - 1544.0000 MHz	10K0G1W		Voice, Data, Fax; O-QPSK
ANTENNA ID: 3	0.26 meters	Nera	Worldphone
1646.5000 - 1660.5000 MHz	20K0G1X	17.00 dBW	Signaling; BPSK
1646.5000 - 1660.5000 MHz	5K00G1E	17.00 dBW	Mini-M Voice, Data and Fax; O-QPSK
1626.5000 - 1645.5000 MHz	20K0G1X	17.00 dBW	Signaling; BPSK
1626.5000 - 1645.5000 MHz	5K00G1E	17.00 dBW	Mini-M Voice, Data and Fax; O-QPSK
1545.0000 - 1559.0000 MHz	20K0G1X		Signaling; BPSK
1545.0000 - 1559.0000 MHz	5K00G1E		Mini-M Voice, Data, Fax; O-QPSK
1525.0000 - 1544.0000 MHz	20K0G1X		Signaling; BPSK
1525.0000 - 1544.0000 MHz	5K00G1E		Mini-M Voice, Data, Fax; O-QPSK
ANTENNA ID: 4	0.27 meters	Thrane & Thrane	TT3060A
1646.5000 - 1660.5000 MHz	20K0G1X	17.00 dBW	Signaling; BPSK
1646.5000 - 1660.5000 MHz	5K00G1E	17.00 dBW	Mini-M Voice, Data and Fax; O-QPSK
1626.5000 - 1645.5000 MHz	20K0G1X	17.00 dBW	Signaling; BPSK
1626.5000 - 1645.5000 MHz	5K00G1E	17.00 dBW	Mini-M Voice, Data and Fax; O-QPSK

1545.0000 - 1559.0000 MHz	20K0G1X		Signaling; BPSK
1545.0000 - 1559.0000 MHz	5K00G1E		Mini-M Voice, Data, Fax; O-QPSK
1525.0000 - 1544.0000 MHz	20K0G1X		Signaling; BPSK
1525.0000 - 1544.0000 MHz	5K00G1E		Mini-M Voice, Data, Fax; O-QPSK
ANTENNA ID: 5	0.27 meters	NEC	Planet 1
1646.5000 - 1660.5000 MHz	20K0G1X	17.00 dBW	Signaling; BPSK
1646.5000 - 1660.5000 MHz	5K00G1E	17.00 dBW	Mini-M Voice, Data and Fax; O-QPSK
1626.5000 - 1645.5000 MHz	20K0G1X	17.00 dBW	Signaling; BPSK
1626.5000 - 1645.5000 MHz	5K00G1E	17.00 dBW	Mini-M Voice, Data and Fax; O-QPSK
1545.0000 - 1559.0000 MHz	20K0G1X		Signaling; BPSK
1545.0000 - 1559.0000 MHz	5K00G1E		Mini-M Voice, Data, Fax; O-QPSK
1525.0000 - 1544.0000 MHz	20K0G1X		Signaling; BPSK
1525.0000 - 1544.0000 MHz	5K00G1E		Mini-M Voice, Data, Fax; O-QPSK
ANTENNA ID: 12	0.017 meters	Inmarsat	IsatPro Phones
1626.5000 - 1660.5000 MHz	50K0G7W	7.30 dBW	Signalling, Voice, Data, Fax, OQPSK
1525.0000 - 1559.0000 MHz	200K0G7W		Signalling, Voice, Data, Fax, OQPSK
ANTENNA ID: 7	0.21 meters	Thrane & Thrane	Explorer 500, 700
1646.5000 - 1660.5000 MHz	50K0D7W	16.10 dBW	Voice and Data Services; 16-QAM
1646.5000 - 1660.5000 MHz	200KD7W	16.10 dBW	Voice and Data Services; 16-QAM
1626.5000 - 1645.5000 MHz	50K0D7W	16.10 dBW	Voice and Data Services; 16-QAM
1626.5000 - 1645.5000 MHz	200KD7W	16.10 dBW	Voice and Data Services; 16-QAM
1545.0000 - 1559.0000 MHz	50K0D7W		Voice and Data Services; 16-QAM
1545.0000 - 1559.0000 MHz	200KD7W		Voice and Data Services; 16-QAM
1545.0000 - 1559.0000 MHz	12K5G7W		Voice and Data Services; QPSK
1525.0000 - 1544.0000 MHz	50K0D7W		Voice and Data Services; 16-QAM
1525.0000 - 1544.0000 MHz	200KD7W		Voice and Data Services; 16-QAM

	1525.0000 - 1544.0000 MHz	12K5G7W		Voice and Data Services; QPSK
ANTENNA ID:	8	0.125 meters	Nera	WorldPro 1000
	1646.5000 - 1660.5000 MHz	25K0G7W	11.00 dBW	Voice and Data Services; pi/4 QPSK
	1646.5000 - 1660.5000 MHz	200KG7W	11.00 dBW	Voice and Data Services; pi/4 QPSK
	1626.5000 - 1645.5000 MHz	25K0G7W	11.00 dBW	Voice and Data Services; pi/4 QPSK
	1626.5000 - 1645.5000 MHz	200KG7W	11.00 dBW	Voice and Data Services; pi/4 QPSK
	1545.0000 - 1559.0000 MHz	50K0G7W		Voice and Data Services; QPSK
	1545.0000 - 1559.0000 MHz	200KG7W		Voice and Data Services; QPSK
	1545.0000 - 1559.0000 MHz	12K5G7W		Voice and Data Services; QPSK
	1525.0000 - 1544.0000 MHz	50K0G7W		Voice and Data Services; QPSK
	1525.0000 - 1544.0000 MHz	200KG7W		Voice and Data Services; QPSK
	1525.0000 - 1544.0000 MHz	12K5G7W		Voice and Data Services; QPSK
ANTENNA ID:	9	0.2 meters	Add Value	Wideye Sabre I
	1646.5000 - 1660.5000 MHz	25K0G7W	11.00 dBW	Voice and Data Services; pi/4 QPSK
	1646.5000 - 1660.5000 MHz	200KG7W	11.00 dBW	Voice and Data Services; pi/4 QPSK
	1626.5000 - 1645.5000 MHz	25K0G7W	11.00 dBW	Voice and Data Services; pi/4 QPSK
	1626.5000 - 1645.5000 MHz	200KG7W	11.00 dBW	Voice and Data Services; pi/4 QPSK
	1545.0000 - 1559.0000 MHz	50K0G7W		Voice and Data Services; QPSK
	1545.0000 - 1559.0000 MHz	200KG7W		Voice and Data Services; QPSK
	1545.0000 - 1559.0000 MHz	12K5G7W		Voice and Data Services; QPSK
	1525.0000 - 1544.0000 MHz	50K0G7W		Voice and Data Services; QPSK
	1525.0000 - 1544.0000 MHz	200KG7W		Voice and Data Services; QPSK
	1525.0000 - 1544.0000 MHz	12K5G7W		Voice and Data Services; QPSK
ANTENNA ID:	11	0.774 meters	Nera	World Communicator
	1646.5000 - 1660.5000 MHz	20K0G1X	25.00 dBW	3 kbps Signaling; BPSK
	1646.5000 - 1660.5000 MHz	40K0G1W	25.00 dBW	4.8 kbps Data; 16-QAM

1646.5000 - 1660.5000 MHz	5K00G1W	25.00 dBW	64 kbps Mini-M; O-QPSK
1626.5000 - 1645.5000 MHz	20K0G1X	25.00 dBW	3 kbps Signaling; BPSK
1626.5000 - 1645.5000 MHz	40K0G1W	25.00 dBW	4.8 kbps Data; 16-QAM
1626.5000 - 1645.5000 MHz	5K00G1W	25.00 dBW	64 kbps Mini-M; O-QPSK
1545.0000 - 1559.0000 MHz	20K0G1X		3 kbps Signaling; BPSK
1545.0000 - 1559.0000 MHz	40K0G1W		64 kbps Data; 16-QAM
1545.0000 - 1559.0000 MHz	5K00G1W		4.8 kbps Mini-M; O-QPSK
1525.0000 - 1544.0000 MHz	20K0G1X		3 kbps Signaling; BPSK
1525.0000 - 1544.0000 MHz	40K0G1W		64 kbps Data; 16-QAM
1525.0000 - 1544.0000 MHz	5K00G1W		4.8 kbps Mini-M; O-QPSK

ANTENNA ID: 6 0.35 meters Hughes Network Systems HNS 9201

1646.5000 - 1660.5000 MHz	50K0D7W	21.00 dBW	Voice and Data Services; 16-QAM
1646.5000 - 1660.5000 MHz	200KD7W	21.00 dBW	Voice and Data Services; 16-QAM
1626.5000 - 1645.5000 MHz	50K0D7W	21.00 dBW	Voice and Data Services; 16-QAM
1626.5000 - 1645.5000 MHz	200KD7W	21.00 dBW	Voice and Data Services; 16-QAM
1545.0000 - 1559.0000 MHz	50K0D7W		Voice and Data Services; 16-QAM
1545.0000 - 1559.0000 MHz	200KD7W		Voice and Data Services; 16-QAM
1545.0000 - 1559.0000 MHz	12K5G7W		Voice and Data Services; QPSK
1525.0000 - 1544.0000 MHz	50K0D7W		Voice and Data Services; 16-QAM
1525.0000 - 1544.0000 MHz	200KD7W		Voice and Data Services; 16-QAM
1525.0000 - 1544.0000 MHz	12K5G7W		Voice and Data Services; QPSK

ANTENNA ID: 13 0.14 meters BEAM COMMUNICATIONS/AERO ANTENNA ISATPHONE/AT1595-83

1646.5000 - 1660.5000 MHz	50K0G7W	11.00 dBW	SIGNALLING, VOICE, DATA, FAX, GMSK
1525.0000 - 1544.0000 MHz	200KG7W		SIGNALLING, VOICE, DATA, FAX, OQPSK
1626.5000 - 1645.5000 MHz	50K0G7W	11.00 dBW	SIGNALLING, VOICE, DATA, FAX, GMSK

1545.0000 - 1559.0000 MHz

200KG7W

SIGNALLING, VOICE, DATA, FAX,
OQPSK

Points of Communication:

Multiple Units - ISAT List -

SES-MOD-20101213-01546

E E920590

CSC

Application for Modification

11/06/2002 - 11/06/2017

Grant of Authority

Date Effective: 02/01/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: BLDG. 9813A EMORY ROAD, ANNE ARUNDEL, FT. MEADE, MD

39 ° 6 ' 17.40 " N LAT.

76 ° 45 ' 48.90 " W LONG.

ANTENNA ID: 1

12 meters

ANDREW CORPORATION

ESA120-46HP

6365.5000 - 6384.8000 MHz

882KF9W

67.40 dBW

6306.2000 - 6325.5000 MHz

882KF9W

67.40 dBW

6217.2000 - 6266.2000 MHz

882KF9W

67.40 dBW

6113.5000 - 6177.2000 MHz

882KF9W

67.40 dBW

6064.0000 - 6073.5000 MHz

882KF9W

67.40 dBW

5965.2000 - 6034.0000 MHz

882KF9W

67.40 dBW

3700.0000 - 4200.0000 MHz

882KF9W

ANALOG AND DIGITAL AUDIO AND
DATA

5925.0000 - 6077.4500 MHz

882KF9W

67.40 dBW

ANALOG AND DIGITAL AUDIO AND
DATA

6109.4500 - 6240.5400 MHz

882KF9W

67.40 dBW

ANALOG AND DIGITAL AUDIO AND
DATA

6272.5400 - 6388.7900 MHz

882KF9W

67.40 dBW

ANALOG AND DIGITAL AUDIO AND
DATA

6420.7900 - 6425.0000 MHz

882KF9W

67.40 dBW

ANALOG AND DIGITAL AUDIO AND
DATA

Points of Communication:

1 - ALSAT - (ALSAT)

3700.0000 - 4200.0000 MHz	36M0F8W	ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0F8W	ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0F8W	ANALOG VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110124-00051 E E910155 NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION
Renewal 03/29/2011 - 03/29/2026
Grant of Authority Date Effective: 02/03/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: HAMILTON, GILTNER, NE
40 ° 46 ' 26.00 " N LAT. 98 ° 5 ' 29.00 " W LONG.

ANTENNA ID: 1 7.2 meters VERTEX COMMUNICATION 7.2KPC

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110124-00052 E E910159 NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION
Renewal 03/29/2011 - 03/29/2026
Grant of Authority Date Effective: 02/01/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: ROCK, BASSETT, NE
42 ° 20 ' 5.00 " N LAT. 99 ° 29 ' 8.00 " W LONG.

ANTENNA ID: 1 7.2 meters VERTEX COMMUNICATION 7.2KPC

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110124-00053 E E910160 NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION
Renewal 03/29/2011 - 03/29/2026
Grant of Authority Date Effective: 02/03/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: LINCOLN, SUTHERLAND, NE
41 ° 1 ' 22.00 " N LAT. 101 ° 9 ' 23.00 " W LONG.

ANTENNA ID: 1 7.2 meters VERTEX COMMUNICATION 7.2KPC
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110124-00054 E E910161 NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION
Renewal 03/29/2011 - 03/29/2026
Grant of Authority Date Effective: 02/03/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: MORRILL, ANGORA, NE
41 ° 50 ' 21.00 " N LAT. 103 ° 3 ' 11.00 " W LONG.

ANTENNA ID: 1 7.2 meters VERTEX COMMUNICATION 7.2KPC
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110124-00055 E E910162 NEBRASKA EDUCATIONAL TELECOMMUNICATIONS COMMISSION
Renewal 03/29/2011 - 03/29/2026
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: WAYNE, CARROLL, NE
42 ° 14 ' 15.00 " N LAT. 97 ° 16 ' 35.00 " W LONG.

ANTENNA ID: 1 7.2 meters VERTEX COMMUNICATION 7.2KPC
3700.0000 - 4200.0000 MHz 36000F9

SITE ID: BRISTOW
 LOCATION: 8031 Piney Branch RD, Prince William, Bristow, VA
 38 ° 47 ' 2.40 " N LAT. 77 ° 34 ' 21.90 " W LONG.

ANTENNA ID:	NSS-EC-1	16.4 meters	VERTEX	16.4 THC
6600.0000 - 6639.0000 MHz		15K2G7W-	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
6600.0000 - 6639.0000 MHz		72M0G7W	85.40 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
6600.0000 - 6639.0000 MHz		36M0F3F	85.40 dBW	Standard Video
6425.5000 - 6560.0000 MHz		15K2G7W-	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
6425.5000 - 6560.0000 MHz		72M0G7W	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
6425.5000 - 6560.0000 MHz		36M0F3F	85.40 dBW	Standard Video
6175.5500 - 6177.0500 MHz		900KF1D	79.73 dBW	FM, TeleCommand Frequency 2
6172.9500 - 6174.4500 MHz		900KF1D	79.73 dBW	FM, TeleCommand Frequency 1
5925.0000 - 6425.0000 MHz		15K2G7W-	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
5925.0000 - 6425.0000 MHz		72M0G7W	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
5925.0000 - 6425.0000 MHz		36M0F3F	85.40 dBW	Standard Video
5850.0000 - 5925.0000 MHz		15K2G7W-	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.

5850.0000 - 5925.0000 MHz	72M0G7W	61.90 dBW	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
5850.0000 - 5925.0000 MHz	36M0F3F	85.40 dBW	Standard Video
4199.5000 - 4199.5000 MHz	NON		CW, Tracking Beacon
3952.2500 - 3952.7500 MHz	500KG7W		PM, Telemetry Beacon2
3951.7500 - 3952.2500 MHz	500KG7D		PM, Telemetry Beacon 2A
3950.0000 - 3950.0000 MHz	NON		CW, Tracking Beacon
3947.7500 - 3948.2500 MHz	500KG7D		PM, Telemetry Beacon 1A
3947.2500 - 3947.7500 MHz	500KG7D		PM, Telemetry Beacon 1
3947.2500 - 3947.7500 MHz	500KG7D		PM, Telemetry Beacon
3700.0000 - 4200.0000 MHz	15K2G7W-		BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
3700.0000 - 4200.0000 MHz	72M0G7W		BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
3700.0000 - 4200.0000 MHz	36M0F3F		Standard Video
3625.0000 - 3700.0000 MHz	15K2G7W-		BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
3625.0000 - 3700.0000 MHz	72M0G7W		BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps - 90Mbps, combination of digital services - data, compressed digital video, internet, etc.
3625.0000 - 3700.0000 MHz	36M0F3F		Standard Video
3625.0000 - 3700.0000 MHz	45K0G1W		Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	6M87G7W		Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	25M0G7W		Voice, video, and data, QPSK, BPSK, 8PSK. FEC 3/4, FEC 7/8

3625.0000 - 3700.0000 MHz	41M9G7W	Voice, video, and data, QPSK, BPSK, 8PSK, FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	72M0G7W	Voice, video, and data, QPSK, BPSK, 8PSK, FEC 3/4, FEC 7/8
3625.0000 - 3700.0000 MHz	36M0F8W	Voice, video, and data, FM
3625.0000 - 3700.0000 MHz	30M0F8W	Voice, video, and data, FM
3625.0000 - 3700.0000 MHz	20M0G7W	Voice, video, and data, QPSK, BPSK, 8PSK, FEC 3/4, FEC 7/8
3600.0000 - 3625.0000 MHz	36M0F3F	Standard video
3600.0000 - 3625.0000 MHz	15K2G7W	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps-90Mbps, combination of digital services-data, compressed digital video, internet, etc.
3600.0000 - 3625.0000 MHz	72M0G7W	BPSK, QPSK, 8PSK, 16QAM, FEC rates-1/2-7/8, various data rates 19kbps-90Mbps, combination of digital services-data, compressed digital video, internet, etc.
3600.0000 - 3625.0000 MHz	45K0G1W	Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	6M87G7D	Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	25M0G7W	Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	41M9G7W	Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	72M0G7W	Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC
3600.0000 - 3625.0000 MHz	36M0F8W	Voice, video and data, FM
3600.0000 - 3625.0000 MHz	30M0F8W	Voice, video and data, FM
3600.0000 - 3625.0000 MHz	20M0G7W	Voice, video and data, BPSK, QPSK, 8PSK, FEC 3/4, FEC

Points of Communication:

BRISTOW - ALSAT - (ALSAT)

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

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

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

SES-RWL-20110129-00072 E KG42 BRESNAN COMMUNICATIONS, LLC
Renewal 02/28/2011 - 02/28/2026
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: CARBON, RAWLINS, WY
41 ° 47 ' 23.00 " N LAT. 107 ° 14 ' 29.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW ESA5-4HP
3700.0000 - 4200.0000 MHz 36M0F3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110131-00095 E E2845 CABLEVISION OF HUDSON COUNTY LLC
Renewal 03/11/2011 - 03/11/2026
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: HUDSON, NORTH BERGEN, NJ
40 ° 47 ' 33.00 " N LAT. 74 ° 1 ' 37.00 " W LONG.

ANTENNA ID: 1 4.3 meters AFC CH-14M
3700.0000 - 4200.0000 MHz 36000F9

SITE ID: 1
LOCATION: 201 E. FRONT ST., SILVERBOW, BUTTE, MT
45 ° 59 ' 58.00 " N LAT. 112 ° 31 ' 55.00 " W LONG.

ANTENNA ID: 1 5 meters SCIENTIFIC ATLANTA 8008
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110202-00103 E E910263 BRESNAN COMMUNICATIONS, LLC
Renewal 04/26/2011 - 04/26/2026
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: RAVALLI, HAMILTON, MT
46 ° 14 ' 47.00 " N LAT. 114 ° 9 ' 19.00 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC-ATLANTA 8345
3700.0000 - 4200.0000 MHz 36MOF3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110202-00104 E E910261 BRESNAN COMMUNICATIONS, LLC
Renewal 04/26/2011 - 04/26/2026
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: RAVALLI, STEVENSVILLE, MT
46 ° 30 ' 40.00 " N LAT. 114 ° 5 ' 59.00 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC-ATLANTA 8345
3700.0000 - 4200.0000 MHz 36MOF3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110203-00106 E E3013 WAVEDIVISION I, LLC
Renewal 04/29/2011 - 04/29/2026
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: CLALLAM, SEQUIM, WA
48 ° 4 ' 49.00 " N LAT. 123 ° 5 ' 3.00 " W LONG.

ANTENNA ID: 1 5 meters HUGHES

3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110203-00108 E E010057 WFMJ TELEVISION INC.
Renewal 02/27/2011 - 02/27/2026
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 101 W. BOARDMAN STREET, MAHONING, YOUNGSTOWN, OH
41 ° 5 ' 58.00 " N LAT. 80 ° 39 ' 6.00 " W LONG.

ANTENNA ID: 1 5 meters COMTECH ANT CORP 845900-G

3700.0000 - 4200.0000 MHz 36M0F8F ANALOG VIDEO WITH ASSOCIATED SUBCARRIERS

3700.0000 - 4200.0000 MHz 36M0G7F COMPRESSED VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110204-00107 E E910100 PREPA Networks Corp.
Renewal 03/29/2011 - 03/29/2026
Grant of Authority Date Effective: 02/04/2011

Class of Station: Fixed Earth Stations

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

SITE ID: 1
LOCATION: STATE RD. #3, RIO ABAJO, HUMACAO, PR
18 ° 9 ' 5.00 " N LAT. 65 ° 47 ' 18.00 " W LONG.

ANTENNA ID:	1	9.1 meters	ANDREW	ESA 91-46 HP
	5925.0000 - 6425.0000 MHz		36M0G7W	86.70 dBW
	5925.0000 - 6425.0000 MHz		36M0F8F	85.20 dBW
	5925.0000 - 6425.0000 MHz		36M0G7F	85.20 dBW
	5925.0000 - 6425.0000 MHz		8M50G7W	78.80 dBW
	3700.0000 - 4200.0000 MHz		36M0G7W	
	3700.0000 - 4200.0000 MHz		36M0F8F	
	3700.0000 - 4200.0000 MHz		36M0G7F	
	3700.0000 - 4200.0000 MHz		8M50G7W	

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - MORELOS-2 - (116.8 W.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - SOLIDARIDAD F-1 - (109.2 W.L.)
- 1 - SOLIDARIDAD F-2 - (113.0 W.L.)

SES-RWL-20110204-00110	E E900071	KMOV-TV INC.	
Renewal			02/27/2011 - 02/27/2026
Grant of Authority			Date Effective: 02/07/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: ONE MEMORIA DRIVE/CONTINENTAL U.S., ST. LOUIS, MO

ANTENNA ID:	1	2.4 meters	ANDREW CORP.	ESA24SNG-LTE-25
	14000.0000 - 14500.0000 MHz		36M0F3F	76.40 dBW
	14000.0000 - 14500.0000 MHz		20M0G7W	68.60 dBW
	14000.0000 - 14500.0000 MHz		20K0F3E	38.70 dBW
				ANALOG VIDEO AND AUDIO - FOR NEWSGATHERING
				DIGITAL VIDEO/VOICE/DATA - FOR NEWSGATHERING
				4 SCPC - FOR NEWSGATHERING

Points of Communication:

- 1 - ALSAT - (ALSAT)

SES - RWL - 20110207 - 00116 E E010028 Rainbow Network Communications
 Renewal 05/07/2011 - 05/07/2026
 Grant of Authority Date Effective: 02/08/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: 620 HICKSVILLE ROAD, NASSAU, BETHPAGE, NY
 40 ° 44 ' 39.60 " N LAT. 73 ° 29 ' 38.10 " W LONG.

ANTENNA ID:	2	9 meters	VERTEX	9 KPC	
	6088.0000 - 6425.0000 MHz		36M0F3F	77.70 dBW	ANALOG VIDEO CARRIER
	6088.0000 - 6425.0000 MHz		36M0G7F	77.70 dBW	DIGITAL COMPRESSED VIDEO CARRIER
	5925.0000 - 6038.0000 MHz		36M0F3F	77.70 dBW	ANALOG VIDEO CARRIER
	5925.0000 - 6038.0000 MHz		36M0G7F	77.70 dBW	DIGITAL COMPRESSED VIDEO CARRIER
	3700.0000 - 4200.0000 MHz		36M0F3F		ANALOG VIDEO CARRIER
	3700.0000 - 4200.0000 MHz		36M0G7F		DIGITAL COMPRESSED VIDEO CARRIER

ANTENNA ID:	1	9 meters	VERTEX	9 KPC	
	6088.8000 - 6425.0000 MHz		36M0F3F	77.70 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO
	6088.8000 - 6425.0000 MHz		36M0G7F	77.70 dBW	DIGITAL COMPRESSED VIDEO
	5925.0000 - 6425.0000 MHz		36M0F3F	62.50 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO
	5925.0000 - 6425.0000 MHz		36M0G7F	75.04 dBW	DIGITAL COMPRESSED VIDEO
	5925.0000 - 6038.8000 MHz		36M0F3F	77.70 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO
	5925.0000 - 6038.8000 MHz		36M0G7F	77.70 dBW	DIGITAL COMPRESSED VIDEO
	3700.0000 - 4200.0000 MHz		36M0F3F		ANALOG VIDEO WITH ASSOCIATED AUDIO
	3700.0000 - 4200.0000 MHz		36M0G7F		DIGITAL COMPRESSED VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20101208-01517 E KL92 PanAmSat Licensee Corp.

Special Temporary Authority

Grant of Authority

Date Effective: 02/03/2011

Class of Station:

Extension for Special Temporary Authority is Granted for 30 days from December 14, 2010 through January 12, 2011, to use its Castle Rock, Colorado Ku-band earth station, call sign KL92, to provide launch and early orbit phase services for the recently launched SkyTerra-1 satellite.

Points of Communication:

SES-STA-20101220-01562 E KA399 TELESAT NETWORK SERVICES, INC.

Special Temporary Authority

Grant of Authority

Date Effective: 02/02/2011

Class of Station:

Extension of Special Temporary Authority is hereby GRANTED with conditions for an additional 60 days beginning December 23, 2010 and ending February 20, 2011.

Points of Communication:

SES-STA-20110121-00047 E E940532 Intelsat License LLC

Special Temporary Authority

Grant of Authority

Date Effective: 02/02/2011

Class of Station:

Extension of Special Temporary Authority is hereby GRANTED for an additional 60 days beginning February 2, 2011 and ending April 2, 2011.

Points of Communication:

SES-STA-20110121-00048 E VIASAT, INC.

Special Temporary Authority

Grant of Authority

Date Effective: 02/07/2011

Class of Station:

Special Temporary Authority is GRANTED with condition to allow testing of uplink power control system in advance of the launch of VIASAT-1 for a period of 30 days beginning February 7, 2011 and ending March 7, 2011.

Points of Communication:

SES-STA-20110131-00075 E E990143 COMTECH MOBILE DATACOM CORP.

Special Temporary Authority

Grant of Authority

Date Effective: 02/02/2011

Class of Station:

Request to renew and extend (use of MSAT-2 in locations other than as on license) for Special Temporary Authority is GRANTED with conditions for a period of 60 days beginning February 5, 2011 and ending April 5, 2011.

Points of Communication:

SES-STA-20110131-00077 E E090029 COMTECH MOBILE DATACOM CORP.
Special Temporary Authority
Grant of Authority Date Effective: 02/04/2011

Class of Station:

"STA" extension granted with conditions for a period of 60 days from February 5, 2011 - April 6, 2011 to use SkyTerra1 during testing and MSAT-2 in locations other than as on license.

Points of Communication:

SES-STA-20110202-00105 E E050272 LOCKHEED MARTIN CORPORATION
Special Temporary Authority
Grant of Authority Date Effective: 02/04/2011

Class of Station:

Extension of Special Temporary Authority is GRANTED with condition for an additional 30 days beginning February 5, 2011 and ending March 6, 2011.

Points of Communication:

SES-STA-20110204-00112 E E070014 EchoStar Corporation
Special Temporary Authority
Grant of Authority Date Effective: 02/04/2011

Class of Station:

Special Temporary Authority is GRANTED with condition to operate its earth station to provide TT&C for its EchoStar 6 satellite during the relocation to 76.95 W.L. for a period of 30 days beginning February 4, 2011 and ending March 6, 2011.

Points of Communication:

SES-STA-20110204-00113 E E070273 EchoStar Corporation
Special Temporary Authority
Grant of Authority Date Effective: 02/04/2011

Class of Station:

Special Temporary Authority is GRANTED with condition to operate its earth station to provide TT&C for its EchoStar 6 satellite during the relocation to 76.95 W.L. for a period of 30 days beginning February 4, 2011 and ending March 6, 2011.

Points of Communication:

SES-STA-20110204-00114 E E980005 EchoStar Corporation
Special Temporary Authority
Grant of Authority Date Effective: 02/04/2011

Class of Station:

Special Temporary Authority is GRANTED with condition to operate its earth station to provide TT&C for its EchoStar 6 satellite during the relocation to 76.95 W.L. for a period of 30 days beginning February 4, 2011 and ending March 6, 2011.

Points of Communication:

SES-STA-20110204-00115 E E980081 EchoStar Corporation
Special Temporary Authority
Grant of Authority

Date Effective: 02/04/2011

Class of Station:

Special Temporary Authority is GRANTED with condition to operate its earth station to provide TT&C for its EchoStar 6 satellite during the relocation to 76.95 W.L. for a period of 30 days beginning February 4, 2011 and ending March 6, 2011.

Points of Communication:

Dismissal

SES-STA-20100507-00569 E050018 NEWCOM INTERNATIONAL, INC.

This STA application has been dismissed as Moot, due to underlined application SES-MFS-20100430-00497, E050018, has been granted on February 4, 2011.

SES-STA-20100602-00669 E090095 UPSTREAM INVESTMENTS, LLC

This STA application has been dismissed as Moot, due to underlined application SES-MOD-20100602-00666, E090095, has been granted on February 8, 2011.

SES-STA-20100922-01185 E050154 LOWERTY SATELLITE SERVICES INC.

This STA application has been dismissed as Moot, due to the request time since operation beyond the dates involved with this specific event is unlikely, changes to the permanent license will not be pursued or desired at this time.

SES-STA-20110124-00049 E100139 NORTHERN KENTUCKY UNIVERSITY

This EZ STA request is being Dismissed as Moot, due to the underlined EZ application license has been granted January 26, 2011.

INFORMATIVE

SES-MOD-20080711-00925 WD34 The Weather Channel, LLC

Licensee has changed name per letter filed on January 14, 2011.

SURRENDER

SES-LIC-20001130-02227 E000699 Gray Television Licensee, LLC

License surrendered by Licensee per letter dated January 24, 2011.

SES-LIC-20100922-01191 E100105 NW COMMUNICATIONS OF PHOENIX, INC

License has been surrendered per letter filed on January 28, 2011.

SES-RWL-20001106-02133 E910121 Comcast of California IX, Inc.

License has been surrendered per letter filed on December 21, 2010.

SES-RWL-20001122-02198 E2746 COMCAST OF COLORADO/PENNSYLVANIA/WEST VIRGINIA, LLC

License has been surrendered per letter filed on December 17, 2010.

SES-RWL-20001211-02329 E2784 AT&T BROADBAND OF OHIO, LLC

License has been surrendered per letter dated December 17, 2010.

SES-RWL-20001211-02331 E2489 COMCAST OF COLORADO/PENNSYLVANIA/WEST VIRGINIA, LLC

License has been surrendered per letter filed on December 17, 2010.

SES-RWL-20001211-02332 E2779 COMCAST OF COLORADO/PENNSYLVANIA/WEST VIRGINIA, LLC

License has been surrendered per letter filed on December 17, 2010.

SES-RWL-20001211-02333 WF93 COMCAST OF COLORADO/PENNSYLVANIA/WEST VIRGINIA, LLC

License has been surrendered per letter filed on December 17, 2010.

SES-RWL-20001220-02400 E910144 COMCAST OF COLORADO/PENNSYLVANIA/WEST VIRGINIA, LLC

License has been surrendered per letter filed on December 17, 2010.

SES-RWL-20010105-00008 E910206 KCTS TELEVISION

License has been surrendered per letter filed on January 13, 2011.

SURRENDER

SES-RWL-20010108-00033 E2809 COMCAST OF CALIFORNIA/PENNSYLVANIA/UTAH/WASHINGTON, INC.

License has been surrendered per letter filed on December 17, 2010.

SES-RWL-20010129-00162 KD67 Greater New Orleans Educational Television Foundation

License has been surrendered per letter filed February 8, 2011.

SES-RWL-20010521-00972 KG75 TIME WARNER ENTERTAINMENT COMPANY, L.P.

License has been surrendered per letter filed on January 12, 2011.

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