



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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WASHINGTON D.C. 20554

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Report No. SES-01363

Wednesday July 13, 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-LIC-20110517-00593	E E110084	NBC TELEMUNDO LICENSE LLC	EZ
Application for Authority			07/06/2011 - 07/06/2026
Grant of Authority			Date Effective: 07/06/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: WNBC SNG Hybrid-201105-H-E, VARIOUS

ANTENNA ID:	H-E	1.2 meters	AVL TECHNOLOGIES	1210K
	14000.0000 - 14500.0000 MHz	36M0G7W	65.75 dBW	PHASE MODULATED CARRIER WITH DATA, VIDEO AND AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20110517-00594	E E110085	NBC TELEMUNDO LICENSE LLC	EZ
Application for Authority			07/06/2011 - 07/06/2026
Grant of Authority			Date Effective: 07/06/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: WNBC SNG Hybrid-201105-H-F, VARIOUS

ANTENNA ID:	H-F	1.2 meters	AVL TECHNOLOGIES	1210K
	14000.0000 - 14500.0000 MHz	36M0G7W	65.75 dBW	PHASE MODULATED CARRIER WITH DATA, VIDEO AND AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20110524-00610 E E110089 NEW ENGLAND CABLE NEWS **EZ**
Application for Authority 07/06/2011 - 07/06/2026
Grant of Authority Date Effective: 07/06/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: NECN NEW SNG TRUCK #1, VARIOUS

ANTENNA ID: NECN SNG-4 1.5 meters GENERAL DYNAMICS SATCOM C-150

14000.0000 - 14500.0000 MHz 36M0G7W 65.30 dBW PHASE MODULATED CARRIER
WITH DATA, VIDEO AND AUDIO

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20110524-00615 E E110090 FOX TELEVISION STATIONS, INC. **EZ**
Application for Authority 07/06/2011 - 07/06/2026
Grant of Authority Date Effective: 07/06/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 2

LOCATION: 4261 SW FREEWAY HOUSTON, HARRIS, TX, VARIOUS

ANTENNA ID: 2 1.2 meters AVL TECHNOLOGIES 1200

14000.0000 - 14500.0000 MHz 36M0G7W 64.67 dBW ONE 36 MBIT DIGITAL CARRIER
FOR VOICE/DATA WITH AN
EMISSION DESIGNATOR OF
36M0G7W

Points of Communication:

2 - ALSAT - (ALSAT)

SES-LIC-20110527-00640 E E110093 Oshkosh Specialty Vehicles, Inc. **EZ**
Application for Authority 07/12/2011 - 07/12/2026
Grant of Authority Date Effective: 07/12/2011

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: Various, Various, Various

ANTENNA ID: 1 1.35 meters GD Satcom C135M
14000.0000 - 14500.0000 MHz 24M0G7W 64.30 dBW Digital Modulation, Voice, Video and Data Services

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20110601-00647 E E110094 Allen Holdings, Inc. d/b/a Allen Communications
Application for Authority 07/12/2011 - 07/12/2026
Grant of Authority Date Effective: 07/12/2011

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 562-902-7691, Haleiwa, HI
21 ° 40 ' 16.90 " N LAT. 158 ° 2 ' 3.40 " W LONG.

ANTENNA ID: 1 5.5 meters VERTEX RSI Ku-BAND
11700.0000 - 12200.0000 MHz 36M0G7W Digital Data, Various FEC 3/4, 1/2 Etc., Various Mod. QPSK, Etc.
11700.0000 - 12200.0000 MHz 4M00G7W Digital Data, Various FEC 3/4, 1/2 Etc., Various Mod. QPSK, Etc.
14000.0000 - 14500.0000 MHz 36M0G7W 74.14 dBW Digital Data, Various FEC 3/4, 1/2 Etc., Various Mod. QPSK, Etc.
14000.0000 - 14500.0000 MHz 4M00G7W 64.70 dBW Digital Data, Various FEC 3/4, 1/2 Etc., Various Mod. QPSK, Etc.

Points of Communication:

1 - JCSAT-1B - (150 E.L.)

SES-MOD-20110131-00073 E E090029 COMTECH MOBILE DATACOM CORP.
Application for Modification 06/30/2009 - 06/30/2024
Grant of Authority Date Effective: 07/12/2011

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: ISAT/ASDR
LOCATION: 20430 Century Boulevard, Montgomery, Germantown, MD

ANTENNA ID: 9-ASDR/INT 0.315 meters CMDC CMDC-999-2020-PA

1646.5000 - 1660.5000 MHz	200KG1D	13.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1631.5000 - 1645.5000 MHz	200KG1D	13.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1545.0000 - 1559.0000 MHz	200KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1530.0000 - 1544.0000 MHz	200KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
ANTENNA ID: 10-ASDO/IN	0.047 meters	CMDC	CMDC-999-2021-PA
1646.5000 - 1660.5000 MHz	200KG1D	8.50 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1631.5000 - 1645.5000 MHz	200KG1D	8.50 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1545.0000 - 1559.0000 MHz	200KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1530.0000 - 1544.0000 MHz	200KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
SITE ID: MSV/ASDR	LOCATION: 20430 Century Boulevard, Montgomery, Germantown, MD		
ANTENNA ID: 9-ASDR/INT	0.315 meters	CMDC	CMDC-999-2020-PA
1646.5000 - 1660.5000 MHz	168KG1D	13.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1631.5000 - 1645.5000 MHz	168KG1D	13.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
ANTENNA ID: 10-ASDO/IN	0.047 meters	CMDC	CMDC-999-2021-PA
1646.5000 - 1660.5000 MHz	168KG1D	8.50 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1631.5000 - 1645.5000 MHz	168KG1D	8.50 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 157,500 CPS, Data, Land Mobile

SITE ID: ISAT/HD
LOCATION: 20430 CENTURY BOULEVARD, MONTGOMERY, GERMANTOWN, MD

ANTENNA ID:	2-2010/EXT	0.15 meters	Sensor Systems	S65-8582-101
	1646.5000 - 1660.5000 MHz	200KG7W	12.10 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1631.5000 - 1645.5000 MHz	200KG7W	12.10 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1530.0000 - 1544.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
ANTENNA ID:	3-2010/EXT	0.06 meters	SCI Systems	MT-2010 external
	1646.5000 - 1660.5000 MHz	200KG7W	11.30 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	200KG7W	11.30 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID:	4-2010/EXT	0.15 meters	SCI Systems	MT-2010 rl internal
	1646.5000 - 1660.5000 MHz	200KG7W	12.30 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	200KG7W	12.30 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID:	5-2012/EXT	0.27 meters	Sensor Systems	S65-8282-301
	1646.5000 - 1660.5000 MHz	200KG7W	11.20 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1631.5000 - 1645.5000 MHz	200KG7W	11.20 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

1530.0000 - 1544.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
ANTENNA ID: 6-2012/INT	0.18 meters	PCTel	3481IZ-3
1646.5000 - 1660.5000 MHz	200KG7W	11.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	200KG7W	11.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID: 7-2012/INT	0.18 meters	PCTel	3491IZ-3
1646.5000 - 1660.5000 MHz	200KG7W	13.30 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	200KG7W	13.30 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID: 8-203/EXT	0.19 meters	PCTel	3561AW-1/A
1646.5000 - 1660.5000 MHz	200KG7W	11.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	200KG7W	11.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID: 11-C50/INT	0.1524 meters	PCTel	CMT-500
1646.5000 - 1660.5000 MHz	200KG7W	10.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	200KG7W	10.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile

	1530.0000 - 1544.0000 MHz	200KG7W	0.00 dBW	DSSS,BPSK, 21, 094 to 84,375 CPS, Data, Marine & Land Mobile
SITE ID:	MSV/CONUS			
LOCATION:	20430 Century Boulevard, Montgomery, Germantown, MD			
ANTENNA ID:	1-2010/INT	0.15 meters	SCI Systems	MT-2010 internal
	1646.5000 - 1660.5000 MHz	168KG1D	10.20 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	10.20 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS,BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	2-2010/EXT	0.15 meters	Sensor Systems	S65-8582-101
	1646.5000 - 1660.5000 MHz	168KG1D	12.10 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1631.5000 - 1645.5000 MHz	168KG1D	12.10 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
ANTENNA ID:	2-2011/EXT	0.15 meters	Sensor Systems	S65-8582-101
	1646.5000 - 1660.5000 MHz	168KG1D	12.10 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1631.5000 - 1645.5000 MHz	168KG1D	12.10 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
ANTENNA ID:	3-2010/EXT	0.06 meters	SCI Systems	MT-2010 external
	1646.5000 - 1660.5000 MHz	168KG1D	11.30 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	11.30 dBW	DSSS. BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile

	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	4-2010/INT	0.15 meters	SCI Systems	MT-2010 rl Internal
	1646.5000 - 1660.5000 MHz	168KG1D	12.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	12.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	5-203/EXT	0.27 meters	Sensor Systems	S65-8282-301
	1646.5000 - 1660.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1631.5000 - 1645.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
ANTENNA ID:	5-2011/EXT	0.27 meters	Sensor Systems	S65-8282-301
	1646.5000 - 1660.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1631.5000 - 1645.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
ANTENNA ID:	5-2012/EXT	0.27 meters	Sensor Systems	S65-8282-301
	1646.5000 - 1660.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1631.5000 - 1645.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical

	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
ANTENNA ID:	6-2011/INT	0.18 meters	PCTel	3481IZ-3
	1646.5000 - 1660.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	6-2012/INT	0.18 meters	PCTel	3481IZ-3
	1646.5000 - 1660.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	6-203/INT	0.18 meters	PCTel	3481IZ-3
	1646.5000 - 1660.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	7-2011/INT	0.18 meters	PCTel	3491IZ-3
	1646.5000 - 1660.5000 MHz	168KG1D	13.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	13.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile

1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID: 7-2012/INT	0.18 meters	PCTel	3491IZ-3
1646.5000 - 1660.5000 MHz	168KG1D	13.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	168KG1D	13.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID: 8-203/EXT	0.19 meters	PCTel	3561AW-1/A
1646.5000 - 1660.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID: 11-C50/INT	0.1524 meters	PCTel	CMT-500
1646.5000 - 1660.5000 MHz	168KG1D	10.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	168KG1D	10.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
SITE ID: SKYTERRA			
LOCATION: 20430 CENTURY BOULEVARD, MONTGOMERY, GERMANTOWN, MD			
ANTENNA ID: 10-ASDO/IN	0.047 meters	CMDC	CMDC-99-2021-PA
1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile

	1631.5000 - 1645.5000 MHz	270KG7W	8.50 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1646.5000 - 1660.5000 MHz	270KG7W	8.50 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	270KG7W	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	11-C50/INT	0.152 meters	PCTEL	CMT-500
	1631.5000 - 1645.5000 MHz	270KG7W	10.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1646.5000 - 1660.5000 MHz	270KG7W	10.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	270KG7W	0.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	9-ASDR/INT	0.315 meters	CMDC	CMDC-999-2020-PA
	1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	270KG7W	13.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1646.5000 - 1660.5000 MHz	270KG7W	13.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	8-203/EXT	0.19 meters	PCTEL	3561AW-1/A
	1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	270KG7W	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1646.5000 - 1660.5000 MHz	270KG7W	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID:	7-2012/INT	0.18 meters	PCTEL	3491IZ-3
	1530.0000 - 1544.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile

1631.5000 - 1645.5000 MHz	270KG7W	13.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1646.5000 - 1660.5000 MHz	270KG7W	13.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID: 5-2012/EXT	0.27 meters	SENSOR SYSTEMS	S65-8582-301
1530.0000 - 1544.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
1631.5000 - 1645.5000 MHz	270KG7W	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
1646.5000 - 1660.5000 MHz	270KG7W	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
ANTENNA ID: 2-2010/EXT	0.15 meters	SENSOR SYSTEMS	S65-8582-101
1631.5000 - 1645.5000 MHz	270KG7W	12.10 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
1530.0000 - 1544.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
1646.5000 - 1660.5000 MHz	270KG7W	12.10 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical
1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Aeronautical14
ANTENNA ID: 3-2010/EXT	0.06 meters	SCI SYSTEMS	MT-2010EXTERNAL
1530.0000 - 1544.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	270KG7W	11.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1646.5000 - 1660.5000 MHz	270KG7W	11.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID: 4-2010/EXT	0.15 meters	SCI SYSTEMS	MT-2010RL
1530.0000 - 1544.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile

1631.5000 - 1645.5000 MHz	270KG7W	12.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1646.5000 - 1660.5000 MHz	270KG7W	12.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
ANTENNA ID: 6-2012/INT	0.18 meters	PCTEL	34811Z-3
1530.0000 - 1544.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	270KG7W	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1646.5000 - 1660.5000 MHz	270KG7W	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	270KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, and Data, Marine & Land Mobile

Points of Communication:

ISAT/ASDR - ISAT List -

ISAT/HD - ISAT List -

MSV/ASDR - MSAT-1 - (106.5 W.L.)

MSV/ASDR - MSAT-2 - (100.95 W.L.)

MSV/ASDR - MSV-1 - (101 W.L.)

MSV/CONUS - MSAT-1 - (106.5 W.L.)

MSV/CONUS - MSAT-2 - (100.95 W.L.)

MSV/CONUS - MSV-1 - (101 W.L.)

SKYTERRA - SKYTERRA 1 - (101.3 W.L.)

SES-MOD-20110217-00174 E E930320 VIZADA, INC. 08/06/2003 - 08/06/2018
 Application for Modification Date Effective: 07/08/2011
 Grant of Authority

Class of Station: Other

Nature of Service: Earth Stations on-board Vessels

SITE ID: REMOTE-4 ESV
 LOCATION: 350 (1.5 m antennas), CONUS

ANTENNA ID: ESV-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	194KG7W	46.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	291KG7W	48.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	388KG7W	49.10 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	81K0G7W	42.50 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	97K0G7W	43.40 dBW	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
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	36M0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	81K0G7W		SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	1M43G1W		SCPC USING QPSK ANAD BPSK MODULATION
11450.0000 - 12200.0000 MHz	2M35G1W		SCPC USING QPSK ANAD BPSK MODULATION
10950.0000 - 11200.0000 MHz	44K8G1W		SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 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	2M35G1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	717KG1W	SCPC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	36M0G7W	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	81K0G7W	SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION

SITE ID: SAPA19 (6.3M)
LOCATION: 7676 PINE GROVE RD., VENTURA, SANTA PAULA, CA
34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 29.40 " W LONG.

ANTENNA ID: SAPA19	6.3 meters	VERTEX RSI	6.3
5925.0000 - 6425.0000 MHz	108KG7W	54.50 dBW	DIGITAL DATA
5925.0000 - 6425.0000 MHz	203KG7W	49.40 dBW	DIGITAL DATA
3700.0000 - 4200.0000 MHz	108KG7W		DIGITAL DATA
3700.0000 - 4200.0000 MHz	203KG7W		DIGITAL DATA

SITE ID: Hub (4.5m)
LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA
34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 26.00 " W LONG.

ANTENNA ID: Hub	4.5 meters	ANDREW	ESA-45
14000.0000 - 14500.0000 MHz	50K0G3D	51.30 dBW	DIGITAL SERVICES
14000.0000 - 14500.0000 MHz	50K0F3X	57.30 dBW	DIGITAL SERVICES
11700.0000 - 12200.0000 MHz	50K0G3D		DIGITAL SERVICES
11700.0000 - 12200.0000 MHz	50K0F3X		DIGITAL SERVICES

SITE ID: REMOTE-1 ESV
LOCATION: 250 (1.0 m antennas), CONUS

ANTENNA ID: ESV-4003A	1 meters	SEATEL	4003A
14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	538KG1W	45.20 dBW	SCPC USING QPSK AND BPSK MODULATION

14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC 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
11450.0000 - 12200.0000 MHz	89K6G1W		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	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
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	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

SITE ID: REMOTE-2 ESV
LOCATION: 250 (1.0 m antennas), CONUS

ANTENNA ID:	ESV-4006	1 meters	SEATEL	4006
14000.0000 - 14500.0000 MHz	44K8G1W	34.40 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	717KG1W	46.40 dBW	SCPC USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	89K6G1W	37.40 dBW	SCPC 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	47.40 dBW	TDM/TDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	1M40G7W	47.40 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	316KG7W	43.80 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION	
14000.0000 - 14500.0000 MHz	607KG7W	45.70 dBW	DVB/MFTDMA USING QPSK AND BPSK MODULATION	
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	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
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	54M0G7W	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: REMOTE-3 ESV
LOCATION: 50 (1.2 m antennas), CONUS

ANTENNA ID: ESV-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: REMOTE-5 ESV
LOCATION: 500 (1.05M. antennas), CONUS

ANTENNA ID:	ESV-V110	1.05 meters	INTELLIAN	V110
14000.0000 - 14500.0000 MHz	97K0G7W	39.30 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	89K6G1W	39.00 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	717KG1W	48.00 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	64K0G7W	37.50 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	485KG7W	46.30 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	388KG7W	45.40 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	1M55G7W	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
14000.0000 - 14500.0000 MHz	1M16G7W	49.80 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
14000.0000 - 14500.0000 MHz	194KG7W	42.40 dBW	DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	89K6G1W		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	54M0G7W		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	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
11450.0000 - 12200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	89K6G1W		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	54M0G7W		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	2M60G7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION
10950.0000 - 11200.0000 MHz	151KG7W		DIGITAL TRAFFIC USING QPSK AND BPSK MODULATION

Points of Communication:

Hub (4.5m) - ALSAT - (ALSAT)

Hub (4.5m) - SATMEX-5 - (116.8 W.L.)

REMOTE-1 ESV - ALSAT - (ALSAT)

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

REMOTE-2 ESV - ALSAT - (ALSAT)

REMOTE-2 ESV - SATMEX-5 - (116.8 W.L.)

REMOTE-3 ESV - ALSAT - (ALSAT)

REMOTE-3 ESV - SATMEX-5 - (116.8 W.L.)

REMOTE-4 ESV - ALSAT - (ALSAT)

REMOTE-4 ESV - SATMEX-5 - (116.8 W.L.)

REMOTE-5 ESV - ALSAT - (ALSAT)

SAPA19 (6.3M) - ALSAT - (ALSAT)

SAPA19 (6.3M) - NSS 9 - (177 W.L.)

SES-MOD-20110419-00471 E E950287 ECHOSTAR BROADCASTING CORPORATION

Application for Modification 10/27/2005 - 10/27/2020

Grant of Authority Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, Fixed Satellite Service

SITE ID: 2

LOCATION: 530 ECHOSTAR DRIVE, LARAMINE, CHEYENNE, WY
 41 ° 7 ' 56.00 " N LAT. 104 ° 44 ' 7.00 " W LONG.

ANTENNA ID:	T2	13.2 meters	TIW	LMANT 13.2
	17300.0000 - 17800.0000 MHz		24M0G7W 87.40 dBW	DIGITAL, COMPRESSED VIDEO AND DATA
	17790.0000 - 17800.0000 MHz		800KG2D 72.63 dBW	TELECOMMAND
	17300.0000 - 17310.0000 MHz		800KG2D 72.63 dBW	TELECOMMAND
	12200.0000 - 12700.0000 MHz		24M0G7W	DIGITAL, COMPRESSED VIDEO AND DATA
	12690.0000 - 12700.0000 MHz		800KG2D	TELEMETRY
	12200.0000 - 12210.0000 MHz		800KG2D	TELEMETRY

SITE ID: 1

LOCATION: 530 ECHOSTAR DRIVE, LARAMINE, CHEYENNE, WY
 41 ° 7 ' 56.00 " N LAT. 104 ° 44 ' 7.00 " W LONG.

ANTENNA ID:	T1	13.2 meters	TIW	LMATT 13.2 KU	
	17300.0000 - 17800.0000 MHz		24M0G7W	87.40 dBW	DIGITAL, COMPRESSED VIDEO AND DATA
	17790.0000 - 17800.0000 MHz		800KG2D	72.63 dBW	TELECOMMAND
	17300.0000 - 17310.0000 MHz		800KG2D	72.63 dBW	TELECOMMAND
	12200.0000 - 12700.0000 MHz		24M0G7W		DIGITAL, COMPRESSED VIDEO AND DATA
	12690.0000 - 12700.0000 MHz		800KG2D		TELEMETRY
	12200.0000 - 12210.0000 MHz		800KG2D		TELEMETRY

Points of Communication:

- 1 - EHOSTAR 10 - (110 W.L.)
- 1 - EHOSTAR 11 - (110 W.L.)
- 1 - EHOSTAR 14 - (118.9 W.L.)
- 1 - EHOSTAR 7 - (118.8 W.L.)
- 2 - EHOSTAR 10 - (110 W.L.)
- 2 - EHOSTAR 11 - (110 W.L.)
- 2 - EHOSTAR 14 - (118.9 W.L.)
- 2 - EHOSTAR 7 - (118.8 W.L.)

SES-MOD-20110524-00617 E E040409 SATCOM SYSTEMS, INCORPORATED
 Application for Modification 12/01/2004 - 12/01/2019
 Grant of Authority Date Effective: 07/06/2011

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

SITE ID: REMOTE1.2M.
 LOCATION: 1.2M. VSAT (1500 UNITS), CONUS, AK, HI, PR VI

ANTENNA ID:	TF1.2M	1.2 meters	AVL TECHNOLOGIES	1.2M MVSAT	
	14000.0000 - 14500.0000 MHz		500KG7D	50.00 dBW	DATA, QPSK MODULATION, 512 KBPS, RATE 3/4
	14000.0000 - 14500.0000 MHz		1M50G7D	54.80 dBW	DATA, QPSK MODULATION, 1.5 MBPS, RATE 3/4
	14000.0000 - 14500.0000 MHz		2M00G7D	56.00 dBW	DATA, QPSK MODULATION, 2 MBPS, RATE 3/4

11700.0000 - 12200.0000 MHz	500KG7D	DATA, QPSK MODULATION, 512 KBPS, RATE 3/4
11700.0000 - 12200.0000 MHz	1M50G7D	DATA, QPSK MODULATION, 1.5 MBPS, RATE 3/4
11700.0000 - 12200.0000 MHz	2M00G7D	DATA, QPSK MODULATION, 2 MBPS, RATE 3/4

SITE ID: REMOTE1.8M.
LOCATION: 1.8M. VSAT (300 UNITS), CONUS, AK, HI, PR VI

ANTENNA ID: TF1.8M	1.8 meters	AVL TECHNOLOGIES	1888 MVSAT
14000.0000 - 14500.0000 MHz	500KG7D	53.20 dBW	DATA, QPSK MODULATION, 512 KBPS, RATE 3/4
14000.0000 - 14500.0000 MHz	1M50G7D	58.00 dBW	DATA, QPSK MODULATION, 1.5 MBPS, RATE 3/4
14000.0000 - 14500.0000 MHz	2M00G7D	59.20 dBW	DATA, QPSK MODULATION, 2 MBPS, RATE 3/4
11700.0000 - 12200.0000 MHz	500KG7D		DATA, QPSK MODULATION, 512 KBPS, RATE 3/4
11700.0000 - 12200.0000 MHz	1M50G7D		DATA, QPSK MODULATION, 1.5 MBPS, RATE 3/4
11700.0000 - 12200.0000 MHz	2M00G7D		DATA, QPSK MODULATION, 2 MBPS, RATE 3/4

SITE ID: REMOTE2.4M.
LOCATION: 2.4M. VSAT (200 UNITS), CONUS, AK, HI, PR VI

ANTENNA ID: TF2.4M	2.4 meters	AVL TECHNOLOGIES	2.4M SNG
14000.0000 - 14500.0000 MHz	500KG7D	55.80 dBW	DATA, QPSK MODULATION, 512 KBPS, RATE 3/4
14000.0000 - 14500.0000 MHz	1M50G7D	58.00 dBW	DATA, QPSK MODULATION, 1.5 MBPS, RATE 3/4
14000.0000 - 14500.0000 MHz	2M00G7D	61.80 dBW	DATA, QPSK MODULATION, 2 MBPS, RATE 3/4
11700.0000 - 12200.0000 MHz	500KG7D		DATA, QPSK MODULATION, 512 KBPS, RATE 3/4
11700.0000 - 12200.0000 MHz	1M50G7D		DATA, QPSK MODULATION, 1.5 MBPS, RATE 3/4
11700.0000 - 12200.0000 MHz	2M00G7D		DATA, QPSK MODULATION, 2 MBPS, RATE 3/4

SITE ID: HUB1
LOCATION: 3530 BOMAR ROAD (3.8M. HUB1), DOUGLAS, DOUGLASVILLE, GA
33 ° 41 ' 30.90 " N LAT. 84 ° 42 ' 24.60 " W LONG.

ANTENNA ID:	HUB 1	3.8 meters	PRODELIN	SERIES 1383	
	14000.0000 - 14500.0000 MHz		2M00G7D	65.70 dBW	DATA, QPSK MODULATION, 2 MBPS, RATE 3/4
	11700.0000 - 12200.0000 MHz		1M50G7D		DATA, QPSK MODULATION, 1.5 MBPS, RATE 3/4
	11700.0000 - 12200.0000 MHz		500KG7D		DATA, QPSK MODULATION, 512 KBPS, RATE 3/4
	11700.0000 - 12200.0000 MHz		2M00G7D		DATA, QPSK MODULATION, 2 MBPS, RATE 3/4

Points of Communication:

HUB1 - ALSAT - (ALSAT)
REMOTE1.2M. - ALSAT - (ALSAT)
REMOTE1.8M. - ALSAT - (ALSAT)
REMOTE2.4M. - ALSAT - (ALSAT)

SES - RWL - 20110630 - 00774 E E010081 R&C Productions, Inc.
Renewal 07/08/2011 - 07/08/2026
Grant of Authority Date Effective: 07/06/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 17755 ROWLAND STREET, LOS ANGELES, CITY OF INDUSTRY, CA
34 ° 0 ' 11.00 " N LAT. 117 ° 55 ' 2.00 " W LONG.

ANTENNA ID:	1	3.8 meters	VERTEX	3.80PK	
	14000.0000 - 14500.0000 MHz		20M0G7F	76.30 dBW	MPEG2, QPSK3/4, DIGITAL VIDEO
	11700.0000 - 12200.0000 MHz		20M0G7F		MPEG2, DIGITAL VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES - RWL - 20110630 - 00775 E E010114 R&C Productions, Inc.
Renewal 09/07/2011 - 09/07/2026
Grant of Authority Date Effective: 07/06/2011

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: 17755 Rowland Street, Los Angeles, City of Industry, CA
34 ° 0 ' 11.00 " N LAT. 117 ° 55 ' 2.00 " W LONG.

ANTENNA ID:	1	7.2 meters	VERTEX	KPC
	5925.0000 - 6425.0000 MHz		36M0F3F	77.70 dBW
				STANDARD VIDEO WITH AUDIO SUBCARRIERS
	3700.0000 - 4200.0000 MHz		36M0F3F	0.00 dBW
				STANDARD VIDEO WITH AUDIO SUBCARRIERS

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110701-00769 E E910558 Comcast of California/Colorado/Florida/Oregon, Inc.
Renewal 07/29/2011 - 07/29/2026
Grant of Authority Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: FERGUSON 274 STREET, SANTA CLARA, MOUNTAIN VIEW, CA
37 ° 23 ' 21.00 " N LAT. 122 ° 3 ' 22.00 " W LONG.

ANTENNA ID:	1	5 meters	ANT. TECH. CORP.	SIMULSAT 5M
	3700.0000 - 4200.0000 MHz		36M0F3F	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110701-00770 E E3249 Comcast of California XIV, LLC
Renewal 07/17/2011 - 07/17/2026
Grant of Authority Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: COLFAX, ANGEL FIRE, NM
36 ° 23 ' 11.00 " N LAT. 105 ° 16 ' 25.00 " W LONG.

ANTENNA ID:	1	4.6 meters	SCIENTIFIC ATLANTA	8005
	3700.0000 - 4200.0000 MHz		36000F9	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110701-00771 E E910360 Comcast of Washington IV, Inc.
Renewal
Grant of Authority 07/05/2011 - 07/05/2026
Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: KING, NORTH BEND, WA
47 ° 28 ' 57.00 " N LAT. 121 ° 47 ' 17.00 " W LONG.

ANTENNA ID: 1 4.6 meters PRODELIN 4.6M.

3700.0000 - 4200.0000 MHz 36M0F3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110701-00772 E E010194 Comcast of Virginia Inc
Renewal
Grant of Authority 07/17/2011 - 07/17/2026
Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: BLDG. 2117 - QUANTICO MARINE BASE, PRINCE WILLIAM, QUANTICO, VA
38 ° 31 ' 50.00 " N LAT. 77 ° 19 ' 39.30 " W LONG.

ANTENNA ID: 1 7 meters SCIENTIFIC-ATLANTA 8010

3700.0000 - 4200.0000 MHz 36M0F8W ANALOG VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110701-00773 E WH60 Comcast of Illinois/Indiana/Ohio, LLC
Renewal
Grant of Authority 07/07/2011 - 07/07/2026
Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: MCLEAN, NORMAL, IL
40 ° 29 ' 43.00 " N LAT. 89 ° 0 ' 11.00 " W LONG.

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

Points of Communication:

1 - ALSAT - (ALSAT)

SES - RWL - 20110705 - 00776 E E910547 Public Broadcasting Service
Renewal 09/27/2011 - 09/27/2026
Grant of Authority Date Effective: 07/06/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 6455 Stephenson Way, FAIRFAX, ALEXANDRIA, VA
38 ° 47 ' 39.00 " N LAT. 77 ° 9 ' 55.00 " W LONG.

ANTENNA ID: 1 8.1 meters VERTEX 8.1KPK
14000.0000 - 14500.0000 MHz 36M0F8W 86.00 dBW
14000.0000 - 14500.0000 MHz 24M0F8W 86.00 dBW
14000.0000 - 14500.0000 MHz 25M0G7W 86.00 dBW
14000.0000 - 14500.0000 MHz 12M0G7W 86.00 dBW
14000.0000 - 14500.0000 MHz 6M00G7W 86.00 dBW
14000.0000 - 14500.0000 MHz 3M00G7W 86.00 dBW
14000.0000 - 14500.0000 MHz 1M02G7D 81.00 dBW
14000.0000 - 14500.0000 MHz 36M0G7W 86.00 dBW
11700.0000 - 12200.0000 MHz 512KG7D
11700.0000 - 12200.0000 MHz 36M0G7W

ANTENNA ID: 2 9 meters VERTEX COM CORP. 9KPK
14000.0000 - 14500.0000 MHz 36M0F8W 86.00 dBW
14000.0000 - 14500.0000 MHz 24M0F8W 86.00 dBW
14000.0000 - 14500.0000 MHz 25M0G7W 86.00 dBW

14000.0000 - 14500.0000 MHz	12M0G7W	86.00 dBW
14000.0000 - 14500.0000 MHz	6M00G7W	86.00 dBW
14000.0000 - 14500.0000 MHz	3M00G7W	86.00 dBW
14000.0000 - 14500.0000 MHz	1M02G7D	81.00 dBW
14000.0000 - 14500.0000 MHz	36M0G7W	86.00 dBW
11700.0000 - 12200.0000 MHz	512KG7D	
11700.0000 - 12200.0000 MHz	36M0G7W	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110706-00784	E WJ23	COMCAST OF FLORIDA/GEORGIA	
Renewal			08/14/2011 - 08/14/2026
Grant of Authority			Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: MARTIN, STUART, FL
 27 ° 14 ' 14.00 " N LAT. 80 ° 16 ' 28.00 " W LONG.

ANTENNA ID: 1 6 meters HARRIS 615-003
 3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110706-00785	E WF81	Comcast of California/Colorado/Florida/Oregon, Inc.	
Renewal			08/21/2011 - 08/21/2026
Grant of Authority			Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: MONROE, KEY WEST, FL
 24 ° 32 ' 49.00 " N LAT. 81 ° 47 ' 50.00 " W LONG.

ANTENNA ID: 1 4.3 meters ANTENNAS FOR COMM. INC. CH-14M
 3700.0000 - 4200.0000 MHz 36M0F3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110706-00787 E E3491 Comcast of Colorado/Pennsylvania/West Virginia, LLC
Renewal 08/31/2011 - 08/31/2026
Grant of Authority Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: MIFFLIN, LEWISTOWN, PA
40 ° 36 ' 19.00 " N LAT. 77 ° 33 ' 21.00 " W LONG.

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

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110706-00788 E E3294 Comcast of California/Pennsylvania/Utah/Washington, Inc.
Renewal 08/31/2011 - 08/31/2026
Grant of Authority Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 317 ROUTE 839, ARMSTRONG, RURAL VALLEY, PA
40 ° 49 ' 15.00 " N LAT. 79 ° 14 ' 46.00 " W LONG.

ANTENNA ID: 1 4.5 meters SCIENTIFIC-ATLANTA 8345
3700.0000 - 4200.0000 MHz 36M0F8W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110706-00789 E E3280 Comcast of the South Inc
Renewal 08/14/2011 - 08/14/2026
Grant of Authority Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: OCEAN, LONG BEACH, NJ
39 ° 34 ' 41.00 " N LAT. 74 ° 13 ' 48.00 " W LONG.

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

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110706-00790 E E010208 Comcast of the South Inc
Renewal 08/02/2011 - 08/02/2026
Grant of Authority Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1555 SUZY STREET, LEBANON, LEBANON, PA
40 ° 21 ' 20.00 " N LAT. 76 ° 23 ' 25.00 " W LONG.

ANTENNA ID: 1 5 meters COMTECH ANT CORP 32-25LOG
3700.0000 - 4200.0000 MHz 36M0F8F ANALOG VIDEO WITH ASSOCIATED SUBCARRIERS
3700.0000 - 4200.0000 MHz 36M0G7F VIDEO COMPRESSED

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110706-00791 E E3329 Comcast of Florida I, Inc.
Renewal 08/31/2011 - 08/31/2026
Grant of Authority Date Effective: 07/07/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: BREVARD, PALM BAY, FL
28 ° 2 ' 29.00 " N LAT. 80 ° 37 ' 12.00 " W LONG.

ANTENNA ID: 1 6.1 meters HARRIS 615-003
3700.0000 - 4200.0000 MHz 36000F9

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20110707-00802 E E910468 Fort Myers Broadcsating Company
Renewal 08/16/2011 - 08/16/2026
Grant of Authority Date Effective: 07/12/2011

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 2824 PALM BEACH BLVD., LEE, FORT MYERS, FL
26 ° 39 ' 3.00 " N LAT. 81 ° 51 ' 19.00 " W LONG.

ANTENNA ID: 1 5.6 meters ANDREW CORPORATION ESA56-124B
14000.0000 - 14500.0000 MHz 36M0F3F 74.00 dBW
11700.0000 - 12200.0000 MHz 36M0F3F

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20110630-00780 E E980081 ECHOSTAR BROADCASTING CORPORATION
Special Temporary Authority
Grant of Authority Date Effective: 07/07/2011

Class of Station:

STA extension to SES-STA-20110601-00649 is granted with conditions for a period of 30 days from July 12, 2011 to August 11, 2011 to operate its earth station to provide TT&C for EchoStar 6 at 76.95 W.L.

Points of Communication:

SES-STA-20110630-00781 E E050017 ECHOSTAR BROADCASTING CORPORATION
Special Temporary Authority
Grant of Authority Date Effective: 07/07/2011

Class of Station:

STA extension to SES-STA-20110601-00650 is granted with conditions for a period of 30 days from July 12, 2011 to August 11, 2011 to operate its earth station to provide TT&C for EchoStar 6 at 76.95 W.L.

Points of Communication:

SES-STA-20110630-00782 E E070273 ECHOSTAR BROADCASTING CORPORATION
Special Temporary Authority
Grant of Authority Date Effective: 07/07/2011

Class of Station:

STA extension to SES-STA-20110601-00648 is granted with conditions for a period of 30 days from July 8, 2011 to August 7, 2011 to operate its earth station to provide TT&C for EchoStar 6 at 76.95 W.L.

Points of Communication:

SES-STA-20110630-00783 E E050272 Lockheed Martin Corporation
Special Temporary Authority
Grant of Authority Date Effective: 07/08/2011

Class of Station:

STA extension to SES-STA-20110504-00547 is granted for a period of 60 days from July 8, 2011 to September 5, 2011 to permit continued operation with LM-RPS1 satellite temporarily stationed at the 133.1 degrees west longitude orbital location.

Points of Communication:

SES-T/C-20110623-00735 E E090061 TerreStar License Inc., Debtor-in-Possession
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 07/07/2011

Current Licensee: TerreStar License Inc., Debtor-in-Possession

FROM: TerreStar Corporation

TO: TerreStar Corporation, Debtor-in-Possession

No. of Station(s) listed: 1

SES-T/C-20110623-00736 E E070098 TerreStar License Inc., Debtor-in-Possession
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 07/07/2011

Current Licensee: TerreStar License Inc., Debtor-in-Possession

FROM: TerreStar Corporation

TO: TerreStar Corporation, Debtor-in-Possession

No. of Station(s) listed: 1

SES-T/C-20110623-00737 E E060430 TerreStar License Inc., Debtor-in-Possession
Application for Consent to Transfer of Control
Grant of Authority Date Effective: 07/07/2011

Current Licensee: TerreStar License Inc., Debtor-in-Possession

FROM: TerreStar Corporation

TO: TerreStar Corporation, Debtor-in-Possession

No. of Station(s) listed: 1

SURRENDER

SES-RWL-20010507-00890 E910557 Comcast of Massachusetts/New Hampshire, LLC

License has been surrendered per letter filed on July 1, 2011.

SES-RWL-20010709-01278 WJ95 Comcast of Illinois VI, Inc.

License has been surrendered per letter filed on July 1, 2011.

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