

ANTENNA ID:	1	7 meters	ANTENNA TECH CORP	SIMULSAT 7-METER
	3700.0000 - 4200.0000 MHz		36M0F8W	VIDEO
	3700.0000 - 4200.0000 MHz		2M00G7W	VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-AMD-20100322-00345 E E100032 CABLEVISION OF WARWICK, LLC
 Amendment
 Grant of Authority Date Effective: 05/06/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: ORANGE, WARWICK, NY
 41 ° 15 ' 26.00 " N LAT. 74 ° 21 ' 25.60 " W LONG.

ANTENNA ID:	1	5 meters	SCIENTIFIC-ATLANTA	5 METER
	3700.0000 - 4200.0000 MHz		36M0F8W	VIDEO
	3700.0000 - 4200.0000 MHz		2M00G7W	VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20100326-00356 E E100044 Americom Government Services, Inc.
 Application for Authority 05/10/2010 - 05/10/2025
 Grant of Authority Date Effective: 05/10/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
 LOCATION: 2323 Grimville Road, USA, Mount Airy, MD
 39 ° 22 ' 33.50 " N LAT. 77 ° 4 ' 51.50 " W LONG.

ANTENNA ID:	1	3.8 meters	Prodelin	1383
	3700.0000 - 4200.0000 MHz		36M0G7W	QPSK
	5925.0000 - 6425.0000 MHz		36M0G7W 72.20 dBW	QPSK

5997.3000 - 6085.9000 MHz	2M00F7D	64.90 dBW
5945.0000 - 5987.3000 MHz	36M0F8W	64.90 dBW
5925.0000 - 6425.0000 MHz	60K0F1D	49.70 dBW

ANTENNA ID: 2.4 Ku	2.4 meters	PRODELIN	1251-350
11700.0000 - 12200.0000 MHz	36M0G7W		DIGITAL
14000.0000 - 14500.0000 MHz	36M0G7W	69.20 dBW	DIGITAL

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20090611-00726	E E020074	LXE Inc.	
Application for Modification			03/07/2003 - 03/07/2018
Grant of Authority			Date Effective: 05/11/2010

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 25,000 INMARSAT D(D+ and M2M) half duplex METs throughout in U.S., Conus

ANTENNA ID: 1	0.11 meters	JRC (Size of MET: 121mm x 121mm x 41mm)	JUE-610 DT
1626.5000 - 1645.5000 MHz	2K50F1D	9.00 dBW	2 level FSK, 256Hz tone spacing, symbol rates
1525.0000 - 1544.0000 MHz	2K50F1D		Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 sysmbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec.

ANTENNA ID: 2	0.11 meters	SKYWAVE	DMR-200
1626.5000 - 1645.5000 MHz	2K50F1D	9.00 dBW	2 level FSK, 256Hz tone spacing, symbol rates
1525.0000 - 1544.0000 MHz	2K50F1D		Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 sysmbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec.

ANTENNA ID: 3	0.11 meters	SATAMATICS	SAT-101
1626.5000 - 1645.5000 MHz	2K50F1D	9.00 dBW	2 level FSK, 256Hz tone spacing, symbol rates

1525.0000 - 1544.0000 MHz	2K50F1D			Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 symbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec.
ANTENNA ID: 4	0.11 meters	SATAMATICS		SAT-201
1626.5000 - 1645.5000 MHz	2K50F1D	9.00 dBW		2 level FSK, 256Hz tone spacing, symbol rates
1525.0000 - 1544.0000 MHz	2K50F1D			Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 symbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec.
ANTENNA ID: 5	0.11 meters	SATMATICS		SAT 200/202
1626.5000 - 1645.5000 MHz	2K50F1D	9.00 dBW		2 level FSK, 256Hz tone spacing, symbol rates
1525.0000 - 1544.0000 MHz	2K50D1D			Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 symbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec.

Points of Communication:

- 1 - INMARSAT 4F2 - (52.75)
- 1 - INMARSAT Ltd-3 - (15.5 W.L.)
- 1 - INMARSAT Ltd-3 - (178 E.L.)
- 1 - ISAT List -

SES-MOD-20090923-01223 E E090027 COMTECH MOBILE DATACOM CORP.
 Application for Modification 09/04/2009 - 09/04/2011
 Grant of Authority Date Effective: 05/10/2010

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: ISAT -- ROUS
 LOCATION: 20430 Century Boulevard, Montgomery, Germantown, MD

ANTENNA ID: 1-2020/INT	0.15 meters	SCI Systems		MT-2010 internal
1646.5000 - 1660.5000 MHz	200KG7W	10.20 dBW		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	200KG7W	10.20 dBW		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

	1545.0000 - 1559.0000 MHz		200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz		200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
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
	1646.5000 - 1660.5000 MHz		168KG1D	12.10 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
ANTENNA ID:	2-2011/EXT	0.15 meters	Sensor Systems		S65-8582-101
ANTENNA ID:	3-2010/EXT	0.06 meters	SCI Systems		MT 2010-external
ANTENNA ID:	4-2010/INT	0.15 meters	SCI Systems		MT2010 ri internal
ANTENNA ID:	5-203/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
	1631.5000 - 1645.5000 MHz		168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1646.5000 - 1660.5000 MHz		168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1530.0000 - 1544.0000 MHz		168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz		168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz		200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1530.0000 - 1544.0000 MHz		200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
ANTENNA ID:	5-2011/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

	1530.0000 - 1544.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1631.5000 - 1645.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1646.5000 - 1660.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1530.0000 - 1544.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
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
	1530.0000 - 1544.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1631.5000 - 1645.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1646.5000 - 1660.5000 MHz	168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1530.0000 - 1544.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
ANTENNA ID:	6-2011/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	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

1646.5000 - 1660.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
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
1631.5000 - 1645.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1646.5000 - 1660.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID: 6-203/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
1530.0000 - 1544.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1646.5000 - 1660.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

1545.0000 - 1559.0000 MHz	200KG7W			DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	200KG7W			DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID: 7-2011/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
1646.5000 - 1660.5000 MHz	168KG1D	13.30 dBW		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	168KG1D			DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D			DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	168KG1D	13.30 dBW		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	200KG7W			DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	200KG7W			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
1530.0000 - 1544.0000 MHz	168KG1D			DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	168KG1D			DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1631.5000 - 1645.5000 MHz	168KG1D	13.30 dBW		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1646.5000 - 1660.5000 MHz	168KG1D	13.30 dBW		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1545.0000 - 1559.0000 MHz	200KG7W			DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
1530.0000 - 1544.0000 MHz	200KG7W			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
	1530.0000 - 1544.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1646.5000 - 1660.5000 MHz	168KG1D	11.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	200KG7W		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		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz	200KG7W		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz	168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

SITE ID: MSV - ROUS
LOCATION: 20430 Century Boulevard, Montgomery, Germantown, MD

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, Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz	168KG1D	10.00 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

SITE ID: ISAT- ROUS/CONU- 202
LOCATION: 20430 Century Boulevard, Montgomery, Germantown, MD

ANTENNA ID: 5-202/EXT 0.27 meters Sensor Systems S65-8282-301

SITE ID: MSAT 1&2-T&P
LOCATION: 20430 Century Boulevard (half-duplex MESs using MSAT-1 & MSAT-2), Montgomery, Germantown, MD

ANTENNA ID: MSAT1&2(1) 0.15 meters SCI Systems MT-2010 internal

1545.0000 - 1559.0000 MHz 168KG1D DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

1631.5000 - 1645.5000 MHz 168KG1D 10.20 dBW DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

1646.5000 - 1660.5000 MHz 168KG1D 10.20 dBW DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

1530.0000 - 1544.0000 MHz 168KG1D DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

ANTENNA ID: MSAT1&2(2) 0.15 meters Sensor Systems S65-8582-101

1545.0000 - 1559.0000 MHz 168KG1D DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

1646.5000 - 1660.5000 MHz 168KG1D 12.10 dBW DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

1631.5000 - 1645.6000 MHz 168KG1D 12.10 dBW DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

1530.0000 - 1544.0000 MHz 168KG1D DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

ANTENNA ID: MSAT1&2-2 0.15 meters Sensor Systems S65-8582-101

1631.5000 - 1645.5000 MHz 168KG1D 12.10 dBW DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

1530.0000 - 1544.0000 MHz 168KG1D DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

1646.5000 - 1660.5000 MHz 168KG1D 12.10 dBW DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

1545.0000 - 1559.0000 MHz 168KG1D DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical

ANTENNA ID: MSAT1&2(3) 0.06 meters SCI Systems MT-2010 external

1545.0000 - 1559.0000 MHz 168KG1D DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile

	1631.5000 - 1645.5000 MHz		168KG1D	11.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1646.5000 - 1660.5000 MHz		168KG1D	11.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1530.0000 - 1544.0000 MHz		168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID:	MSAT1&2(4)	0.15 meters	SCI Systems		MT-2010 rl ineral
	1530.0000 - 1544.0000 MHz		168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1545.0000 - 1559.0000 MHz		168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1631.5000 - 1645.5000 MHz		168KG1D	12.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
	1646.5000 - 1660.5000 MHz		168KG1D	12.30 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Marine & Land Mobile
ANTENNA ID:	MSAT202(5)	0.27 meters	Sensor Systems		S65-8282-301
	1631.5000 - 1645.5000 MHz		168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1530.0000 - 1544.0000 MHz		168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1545.0000 - 1559.0000 MHz		168KG1D		DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
	1646.5000 - 1660.5000 MHz		168KG1D	11.20 dBW	DSSS, BPSK, 21,094 to 84,375 CPS, Data, Aeronautical
ANTENNA ID:	5-203/EXT	27 meters	Sensor Systems		S65-8282-301
ANTENNA ID:	5-2011/EXT	0.27 meters	Sensor Systems		S65-8282-301
ANTENNA ID:	5-2012/EXT	0.27 meters	Sensor Systems		S65-8282-301
ANTENNA ID:	6-2011/INT	0.18 meters	PCTel		34811Z-3
ANTENNA ID:	6-2012/INT	0.18 meters	PCTel		34811Z-3
ANTENNA ID:	6-203/INT	0.18 meters	PCTel		34811Z-3
ANTENNA ID:	7-2011/INT	0.18 meters	PCTel		34911Z-3
ANTENNA ID:	7-2012/INT	0.18 meters	PCTel		34911Z-3
ANTENNA ID:	8-203/EXT	0.19 meters	PCTel		3561AW-1/A

SITE ID: MSV-AK,HI,T&P
LOCATION: 20430 Century Boulevard (half-duplex MESS using SkyTerra-1), Montgomery, Germantown, MD

ANTENNA ID:	1-2010/INT	0.15 meters	SCI Systems	MT-2010 internal
ANTENNA ID:	2-2010/EXT	0.15 meters	Sensor Systems	S65-8582-101
ANTENNA ID:	2-2011/EXT	0.15 meters	Sensor Systems	S65-8582-101
ANTENNA ID:	3-2010/EXT	0.06 meters	SCI Systems	MT-2010-external
ANTENNA ID:	4-2010/INT	0.15 meters	SCI Systems	MT-2010 rl internal
ANTENNA ID:	5-202/EXT	0.27 meters	Sensor Systems	S65-8282-301
ANTENNA ID:	5-203/EXT	0.27 meters	Sensor Systems	S65-8282-301
ANTENNA ID:	5-2011/EXT	0.27 meters	Sensor Systems	S65-8282-301
ANTENNA ID:	5-2012/EXT	0.27 meters	Sensor Systems	S65-8282-301
ANTENNA ID:	6-2011/INT	0.18 meters	PCTel	34811Z-3
ANTENNA ID:	6-2012/INT	0.18 meters	PCTel	34811Z-3
ANTENNA ID:	6-203/INT	0.18 meters	PCTel	34811Z-3
ANTENNA ID:	7-2011/INT	0.18 meters	PCTel	34911Z-3
ANTENNA ID:	7-2012/INT	0.18 meters	PCTel	34911Z-3
ANTENNA ID:	8-203/EXT	0.19 meters	PCTel	3561AW-1/A

Points of Communication:

ISAT -- ROUS - ISAT List -

ISAT- ROUS/CONU- 202 - ISAT List -

MSAT 1&2-T&P - MSAT-1 - (106.5 W.L.)

MSAT 1&2-T&P - MSAT-2 - (100.95 W.L.)

MSV - ROUS - MSAT-1 - (106.5 W.L.)

MSV - ROUS - MSAT-2 - (100.95 W.L.)

MSV - ROUS - MSV-1 - (101 W.L.)

MSV-AK,HI,T&P - MSV-1 - (101 W.L.)

SES-MOD-20100324-00354 E E970059 Production & Satellite Services, Inc. 01/24/2007 - 01/24/2022
Application for Modification Grant of Authority Date Effective: 05/10/2010

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4415 WAGON TRAIL AVE., CLARK, LAS VEGAS, NV

ANTENNA ID:	1	2.4 meters	RSI	240KVO
14000.0000 - 14500.0000 MHz		36M0F3F	74.32 dBW	ANALOG TELEVISION
14000.0000 - 14500.0000 MHz		36M0G7F	74.32 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
14000.0000 - 14500.0000 MHz		4M00G7F	62.20 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz		36M0F3F		ANALOG TELEVISION
11700.0000 - 12200.0000 MHz		36M0G7F		DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz		4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20100326-00366 E E930270 Production & Satellite Services, Inc. 07/02/2003 - 07/02/2018
Application for Modification Grant of Authority Date Effective: 05/10/2010

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4415 WAGON TRAIL AVE., CLARK, LAS VEGAS, NV

ANTENNA ID:	1	2.4 meters	ANDREW	ESA24VSM-KU
14000.0000 - 14500.0000 MHz		36M0F9W	75.04 dBW	ANALOG TELEVISION
14000.0000 - 14500.0000 MHz		36M0G7F	75.04 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
14000.0000 - 14500.0000 MHz		4M00G7F	62.20 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz		36M0F9W		ANALOG TELEVISION

11700.0000 - 12200.0000 MHz	36M0G7F	DIGITAL TV WITH ASSOCIATED AUDIO
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11700.0000 - 12200.0000 MHz	4M00G7F	DIGITAL TV WITH ASSOCIATED AUDIO
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Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20100326-00367	E E900085	Production & Satellite Services, Inc.	03/09/2010 - 03/09/2025
Application for Modification			Date Effective: 05/10/2010
Grant of Authority			

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4415 WAGON TRAIL AVE., CLARK, LAS VEGAS, NV

ANTENNA ID: 1 2.6 meters VERTEX 2.6 DMK

14000.0000 - 14500.0000 MHz	36M0F9W	74.44 dBW	ANALOG TELEVISION
14000.0000 - 14500.0000 MHz	36M0G7F	74.44 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
14000.0000 - 14500.0000 MHz	4M00G7F	62.20 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	36M0F9W		ANALOG TELEVISION
11700.0000 - 12200.0000 MHz	36M0G7F		DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20100326-00368	E E881211	Production & Satellite Services, Inc.	03/25/2009 - 03/25/2024
Application for Modification			Date Effective: 05/10/2010
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4415 WAGON TRAIL AVE., CLARK, LAS VEGAS, NV

ANTENNA ID: 1 2.4 meters RSI 240KVO

14000.0000 - 14500.0000 MHz	36M0F9W	73.27 dBW	ANALOG TELEVISION
14000.0000 - 14500.0000 MHz	36M0G7F	73.27 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
14000.0000 - 14500.0000 MHz	4M00G7F	62.20 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	36M0F9W		ANALOG TELEVISION
11700.0000 - 12200.0000 MHz	36M0G7F		DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20100326-00372	E E920039	Production & Satellite Services, Inc.	12/13/2001 - 12/13/2011
Application for Modification			Date Effective: 05/10/2010
Grant of Authority			

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4415 WAGON TRAIL, CLARK, LAS VEGAS, NV

ANTENNA ID: 1	2.4 meters	RSI	240KVO
14000.0000 - 14500.0000 MHz	36M0F3F	74.14 dBW	ANALOG TV
14000.0000 - 14500.0000 MHz	36M0G7F	74.14 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
14000.0000 - 14500.0000 MHz	4M00G7F	62.20 dBW	DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	36M0F3F		ANALOG TV
11700.0000 - 12200.0000 MHz	36M0G7F		DIGITAL TV WITH ASSOCIATED AUDIO
11700.0000 - 12200.0000 MHz	4M00G7F		DIGITAL TV WITH ASSOCIATED AUDIO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20100217-00206 E E100031 CSC TKR LLC
Registration 02/17/2010 - 02/17/2025
Grant of Authority Date Effective: 05/06/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: UNION, ELIZABETH, NJ
40 ° 40 ' 28.70 " N LAT. 74 ° 12 ' 49.50 " W LONG.

ANTENNA ID:	1	5 meters	ANTENNA TECH CORP	SIMULSAT 5M
	3700.0000 - 4200.0000 MHz		36M0F8W	VIDEO
	3700.0000 - 4200.0000 MHz		2M00G7W	VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20100217-00207 E E100032 CABLEVISION OF WARWICK, LLC
Registration 02/17/2010 - 02/17/2025
Grant of Authority Date Effective: 05/06/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: ORANGE, WARWICK, NY
41 ° 15 ' 26.00 " N LAT. 74 ° 21 ' 25.60 " W LONG.

ANTENNA ID:	1	5 meters	SCIENTIFIC-ATLANTA	5 METER
	3700.0000 - 4200.0000 MHz		36M0F8W	VIDEO
	3700.0000 - 4200.0000 MHz		2M00G7W	VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-REG-20100217-00208 E E100033 CABLEVISION OF ROCKLAND/RAMAPO, LLC
Registration 02/17/2010 - 02/17/2025
Grant of Authority Date Effective: 05/06/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: ROCKLAND, WEST NYACK, NY
41 ° 5 ' 30.30 " N LAT.

73 ° 59 ' 40.00 " W LONG.

ANTENNA ID:	1	7 meters	ANTENNA TECH CORP	SIMULSAT 7-METER
	3700.0000 - 4200.0000 MHz		36M0F8W	VIDEO
	3700.0000 - 4200.0000 MHz		2M00G7W	VIDEO
	3700.0000 - 4200.0000 MHz		36M0G7W	VIDEO

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100505-00556 E E000129 NBC Telemundo License Co.

Renewal

05/03/2010 - 05/03/2025

Grant of Authority

Date Effective: 05/07/2010

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: 3 EMPIRE BOULEVARD, BERGEN, SOUTH HACKENSACK, NJ
40 ° 49 ' 48.00 " N LAT.

74 ° 3 ' 0.00 " W LONG.

ANTENNA ID:	1	2.4 meters	ANDREW	2.4M ESA
	14000.0000 - 14500.0000 MHz		7M65G7W	60.80 dBW
				DVB COMPLIANT MPEG-2 VIDEO/AUDIO @8.5 MBPS QPSK
	11700.0000 - 12200.0000 MHz		7M65G7W	
				DVB COMPLIANT MPEG-2 VIDEO/AUDIO @8.5 MBPS QPSK

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100507-00564 E E980485 Intelsat North America LLC

Renewal

Date Effective:

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: COMSAT CLARKSBURG FACILITY, MONTGOMERY, CLARKSBURG, MD
39 ° 13 ' 4.00 " N LAT.

77 ° 16 ' 12.00 " W LONG.

ANTENNA ID:	C-LMA-3	9 meters	VERTEX	9 KPC	
	6179.0000 - 6425.0000 MHz		1M50F3X	80.30 dBW	ENERGY-DESPERSED FM TEST SIGNAL
	6179.0000 - 6425.0000 MHz		800KGXD	80.30 dBW	TELEMETRY SIGNAL ANALOG RANGING SIGNAL
	6172.0000 - 6178.0000 MHz		800KFXD	83.00 dBW	COMMAND SIGNAL (TTC&M)
	5925.0000 - 6171.0000 MHz		1M50F3X	80.30 dBW	ENERGY-DESPERSED FM TEST SIGNAL
	5925.0000 - 6171.0000 MHz		800KGXD	80.30 dBW	TELEMETRY SIGNAL ANALOG RANGING SIGNAL
	3700.0000 - 4200.0000 MHz		1M50F3X		ENERGY DISPERSED FM TEST SIGNAL
	3700.0000 - 4200.0000 MHz		800KGXD		TELEMETRY SIGNAL ANALOG RANGING SIGNAL
	3700.0000 - 4200.0000 MHz		800KFXD		COMMAND SIGANL (TTC&M)

Points of Communication:

- 1 - INTELSAT 805 - (304.5 E.L.)
 - 1 - INTELSAT AOR - (307.0 E.L.)
 - 1 - INTELSAT AOR - (310.0 E.L.)
 - 1 - INTELSAT AOR - (319.5 E.L.)
 - 1 - INTELSAT AOR - (325.5 E.L.)
 - 1 - INTELSAT AOR - (328.5 E.L.)
 - 1 - INTELSAT AOR - (328.6 E.L.)
 - 1 - INTELSAT AOR - (330.5 E.L.)
 - 1 - INTELSAT AOR - (332.5 E.L.)
 - 1 - INTELSAT AOR - (335.5 E.L.)
 - 1 - INTELSAT AOR - (338.7 E.L.)
 - 1 - INTELSAT AOR - (342.0 E.L.)
 - 1 - New Skies 806 - (319.5 E.L.)
 - 1 - NSS-5 - (183 E.L.)
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SES-STA-20100428-00487 E E070273 EchoStar Corporation
Special Temporary Authority
Grant of Authority

Date Effective: 05/11/2010

Class of Station:

Extension of special temporary authority is GRANTED with conditions for an additional 60 days beginning May 3, 2010 and ending July 3, 2010.

Points of Communication:

SES-STA-20100428-00488 E E980082 EchoStar Corporation
Special Temporary Authority
Grant of Authority

Date Effective: 05/11/2010

Class of Station:

Extension of special temporary authority is GRANTED with conditions for an additional 60 days beginning May 3, 2010 and ending July 3, 2010.

Points of Communication:

SES-STA-20100428-00489 E E980081 EchoStar Corporation
Special Temporary Authority
Grant of Authority

Date Effective: 05/11/2010

Class of Station:

Extension of special temporary authority is GRANTED with conditions for an additional 60 days beginning May 3, 2010 and ending July 3, 2010.

Points of Communication:

Dismissal

SES-STA-20100505-00557 E000129 NBC Telemundo License Co.

This STA Application has been dismissed, renewal SES-RWL-20100505-00556, E000129, has been granted.

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