



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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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-01464

Thursday July 5, 2012

Satellite Communications Services

re: Satellite Radio Applications Accepted For Filing

The applications listed herein have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined they are defective and not in conformance with the Commission's Rules and Regulations and its Policies. Final action will not be taken on any of these applications earlier than 30 days following the date of this notice. 47 U.S.C. § 309(b). All applications accepted for filing will be assigned call signs, or other unique station identifiers. However, these assignments are for administrative purposes only and do not in any way prejudice Commission action.

SES-AFS-20120620-00562 E KA399 TELESAT NETWORK SERVICES, INC.

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

TELESAT NETWORK SERVICES, INC. amends pending application SES-MOD-20120308-00248 to: (1) add two additional ESV antennas to its license -- Intellian V60G and V110; (2) add MSAT-1 and MSAT-2 satellites as points of communication; (3) revise further the range of the satellite arc for its 15M antenna in the conventional Ku-band to 106.5° W.L. to permit it to see the MSAT-1 and MSAT-2 satellites; (4) expand the frequency range for the 960KF2D carrier on the 15M antenna to 14000.5-14449.5 MHz in order to support additional TT&C operations for MSAT-1 and MSAT-2 satellites; and (5) delete the 12500-12750 MHz frequency range.

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
14000.5000 - 14499.5000 MHz	960KF2D	93.10 dBW	TT&C
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	45.50 dBW		350 Kbps, .533 FEC, QPSK
14000.0000 - 14500.0000 MHz	500KG7W	46.50 dBW		540 Kbps, .66 FEC, QPSK
14000.0000 - 14500.0000 MHz	470KG7W	46.20 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

14200.0000 - 14470.0000 MHz	943KG7W	38.10 dBW	1037 Kbps, QPSK, 33/50 FEC
14000.0000 - 14500.0000 MHz	943KG7W	38.10 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

14200.0000 - 14470.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
14000.0000 - 14500.0000 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

ANTENNA ID: 4009 ESV 1 meters SEATEL 4009

14200.0000 - 14470.0000 MHz	400KG7W	45.50 dBW	350KBPS, .533 FEC, QPSK
14200.0000 - 14470.0000 MHz	500KG7W	46.50 dBW	540 KBPS, .66 FEC, QPSK
14200.0000 - 14470.0000 MHz	1M60G7W	50.30 dBW	1750 KBPS, .66 FEC, QPSK
14200.0000 - 14470.0000 MHz	470KG7W	46.20 dBW	410 KBPS, .533 FEC, QPSK
12500.0000 - 12750.0000 MHz	1M76G7W		NULL
12500.0000 - 12750.0000 MHz	3M52G7W		NULL
12500.0000 - 12750.0000 MHz	5M77G7W		NULL
11700.0000 - 12200.0000 MHz	1M76G7W		NULL
11700.0000 - 12200.0000 MHz	3M52G7W		NULL
11700.0000 - 12200.0000 MHz	5M77G7W		NULL
11450.0000 - 11700.0000 MHz	1M76G7W		NULL
11450.0000 - 11700.0000 MHz	3M52G7W		NULL
11450.0000 - 11700.0000 MHz	5M77G7W		NULL
10950.0000 - 11200.0000 MHz	1M76G7W		NULL
10950.0000 - 11200.0000 MHz	3M52G7W		NULL
10950.0000 - 11200.0000 MHz	5M77G7W		NULL
ANTENNA ID: 6009 ESV	1.5 meters	SEATEL	6009
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
ANTENNA ID: USAT 24	0.6 meters	SEATEL	USAT 24
14200.0000 - 14470.0000 MHz	943KG7W	38.10 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: 9797 ESV	2.4 meters	SEATEL	9797
14200.0000 - 14470.0000 MHz	943KG7W	57.50 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
ANTENNA ID: SE125ESV	1.25 meters	AZIMUTH	SE125
14200.0000 - 14470.0000 MHz	907KG7W	46.10 dBW	1037 KBPS, QPSK, 33/50 FEC
10950.0000 - 11200.0000 MHz	907KG7W		
11450.0000 - 11700.0000 MHz	907KG7W		
11700.0000 - 12200.0000 MHz	907KG7W		
ANTENNA ID: V60GESV	0.6 meters	INTELLIAN	V60G
14200.0000 - 14470.0000 MHz	717KG7W	38.30 dBW	QPSK, BPSK
10950.0000 - 11200.0000 MHz	717KG7W		QPSK, BPSK
11450.0000 - 11700.0000 MHz	717KG7W		QPSK, BPSK
11700.0000 - 12200.0000 MHz	717KG7W		QPSK, BPSK
ANTENNA ID: V110ESV	1.05 meters	INTELLIAN	V110
14200.0000 - 14470.0000 MHz	970KG7W	49.30 dBW	QPSK, BPSK
10950.0000 - 11200.0000 MHz	970KG7W		QPSK, BPSK
11450.0000 - 11700.0000 MHz	970KG7W		QPSK, BPSK
11700.0000 - 12200.0000 MHz	970KG7W		QPSK, BPSK

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - ESTRELA DO SUL 2 - (63 W.L.)
- 1 - MSAT-1 - (106.5 W.L.)
- 1 - MSAT-2 (AMSC-1) - (103.3 W.L.)

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

SES-AMD-20120619-00552 E E090086 VSAT SYSTEMS, LLC

Amendment

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

VSAT SYSTEMS LLC amends SES-MOD- 20120229-00267 to provide supplemental information.

SITE ID: Remote 4

LOCATION: 157 UNITS, (1.0m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-4	1 meters	PATRIOT ANT. SYSTEMS	1M.
	14000.0000 - 14500.0000 MHz	2M00G7W	46.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	38.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 5

LOCATION: 384 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-5	1.2 meters	PRODELIN CORPORATION	1.2M.
	14000.0000 - 14500.0000 MHz	2M00G7W	48.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	48.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 6

LOCATION: 945 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-6	1.2 meters	ANDREW CORPORATION	ESA1.2M.
	14000.0000 - 14500.0000 MHz	2M00G7W	49.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	48.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 2
LOCATION: 40 UNITS, (.95m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-2	0.95 meters	PRODELIN CORPORATION	0.95M.
	14000.0000 - 14500.0000 MHz	2M00G7W	46.00 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	41.00 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 3
LOCATION: 99 UNITS, (.98m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-3	0.98 meters	PRODELIN CORPORATION	0.98M.
	14000.0000 - 14500.0000 MHz	2M00G7W	46.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	38.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 15
LOCATION: 5 UNITS, (2.4m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-15	2.4 meters	CHANNEL MASTER	2.4M.
	14000.0000 - 14500.0000 MHz	2M00G7W	54.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	54.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 12
LOCATION: 87 UNITS, (1.8m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-12	1.8 meters	PRODELIN CORPORATION	1.8M.
	14000.0000 - 14500.0000 MHz	2M00G7W	51.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2

14000.0000 - 14500.0000 MHz	300KG7W	51.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 13
 LOCATION: 87 UNITS, (1.8m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID: R-13 1.8 meters PATRIOT ANT. SYSTEMS 180KU

14000.0000 - 14500.0000 MHz	2M00G7W	54.00 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	51.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Akron (6.3m Hub)
 LOCATION: 1520 S. ARLINGTON (6.3m Hub2), SUMMIT, AKRON, OH
 41 ° 1 ' 51.50 " N LAT. 81 ° 29 ' 33.20 " W LONG.

ANTENNA ID: Hub 2 6.3 meters VERTEX/RSI 6.3M.

14000.0000 - 14500.0000 MHz	12M0G7W	77.50 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	2M60G7W	71.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	2M00G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	300KG7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Akron (6.3m Hub)
 LOCATION: 1520 S. ARLINGTON (6.3m Hub3), SUMMIT, AKRON, OH
 41 ° 1 ' 51.10 " N LAT. 81 ° 29 ' 34.10 " W LONG.

ANTENNA ID: Hub 3 6.3 meters VERTEX/RSI 6.3M

14000.0000 - 14500.0000 MHz	12M0G7W	77.50 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	2M60G7W	71.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	2M00G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	300KG7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 1
LOCATION: 220 UNITS (.75m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK HI

ANTENNA ID:	R-1	0.75 meters	CHANNEL MASTER	0.75M
	14000.0000 - 14500.0000 MHz	2M00G7W	44.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	37.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 7
LOCATION: 745 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-7	1.2 meters	C-COM	1.2M.
	14000.0000 - 14500.0000 MHz	2M00G7W	47.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	47.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 9
LOCATION: 200 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-9	1.2 meters	PATRIOT ANT. SYSTEMS	1.2M.
	14000.0000 - 14500.0000 MHz	2M00G7W	53.90 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	48.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 10
LOCATION: 87 UNITS, (1.8m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-10	1.8 meters	ANDREW CORPORATION	ASC1.8
	14000.0000 - 14500.0000 MHz	2M00G7W	54.00 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2

14000.0000 - 14500.0000 MHz	300KG7W	51.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 11
LOCATION: 87 UNITS, (1.8m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID: R-11 1.8 meters CHANNEL MASTER 1.8M.

14000.0000 - 14500.0000 MHz	2M00G7W	52.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	51.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 8
LOCATION: 945 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID: R-8 1.2 meters CHANNEL MASTER 120TX

14000.0000 - 14500.0000 MHz	2M00G7W	48.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	48.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 14
LOCATION: 5 UNITS, (2.4m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID: R-14 2.4 meters PATRIOT ANT. SYSTEMS 240KU

14000.0000 - 14500.0000 MHz	2M00G7W	54.40 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	54.40 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: HUB4
LOCATION: 1520 S. ARLINGTON (8.1m Hub4), SUMMIT, AKRON, OH
41 ° 1 ' 50.80 " N LAT. 81 ° 29 ' 34.20 " W LONG.

ANTENNA ID:	Hub 4	8.1 meters	HARRIS/VERTEX	5349
	14000.0000 - 14500.0000 MHz		12M0G7W 79.70 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz		1M50G7W	DIGITAL AUDIO AND DATA, 8PSK, DBS2

SITE ID: HUB5
LOCATION: 1520 S. ARLINGTON (8.1m Hub5), SUMMIT, AKRON, OH
41 ° 1 ' 50.60 " N LAT. 81 ° 29 ' 33.30 " W LONG.

ANTENNA ID:	Hub 5	8.1 meters	HARRIS/VERTEX	5349
	14000.0000 - 14500.0000 MHz		12M0G7W 79.70 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz		1M50G7W	DIGITAL AUDIO AND DATA, 8PSK, DBS2

SITE ID: Akron (6.3m Hub)
LOCATION: 1520 S. ARLINGTON (6.3m Hub1), SUMMIT, AKRON, OH
41 ° 1 ' 51.50 " N LAT. 81 ° 29 ' 33.70 " W LONG.

ANTENNA ID:	Hub 1	6.3 meters	VERTEX/RSI	6.3M.
	14000.0000 - 14500.0000 MHz		12M0G7W 77.50 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz		2M60G7W 71.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz		2M00G7W	DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz		300KG7W	DIGITAL AUDIO AND DATA, 8PSK

Points of Communication:

- Akron (6.3m Hub) - ALSAT - (ALSAT)
- Akron (6.3m Hub) - ALSAT - (ALSAT)
- Akron (6.3m Hub) - ALSAT - (ALSAT)
- Akron (6.3m Hub) - TELSTAR 11N - (37.55 W.L.)
- Akron (6.3m Hub) - TELSTAR 11N - (37.55 W.L.)
- Akron (6.3m Hub) - TELSTAR 11N - (37.55 W.L.)
- HUB4 - ALSAT - (ALSAT)

HUB5 - ALSAT - (ALSAT)

Remote 1 - ALSAT - (ALSAT)

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

Remote 10 - ALSAT - (ALSAT)

Remote 10 - TELSTAR 11N - (37.55 W.L.)

Remote 11 - ALSAT - (ALSAT)

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

Remote 12 - ALSAT - (ALSAT)

Remote 12 - TELSTAR 11N - (37.55 W.L.)

Remote 13 - ALSAT - (ALSAT)

Remote 13 - TELSTAR 11N - (37.55 W.L.)

Remote 14 - ALSAT - (ALSAT)

Remote 14 - TELSTAR 11N - (37.55 W.L.)

Remote 15 - ALSAT - (ALSAT)

Remote 15 - TELSTAR 11N - (37.55 W.L.)

Remote 2 - ALSAT - (ALSAT)

Remote 2 - TELSTAR 11N - (37.55 W.L.)

Remote 3 - ALSAT - (ALSAT)

Remote 3 - TELSTAR 11N - (37.55 W.L.)

Remote 4 - ALSAT - (ALSAT)

Remote 4 - TELSTAR 11N - (37.55 W.L.)

Remote 5 - ALSAT - (ALSAT)

Remote 5 - TELSTAR 11N - (37.55 W.L.)

Remote 6 - ALSAT - (ALSAT)

Remote 6 - TELSTAR 11N - (37.55 W.L.)

Remote 7 - ALSAT - (ALSAT)

Remote 7 - TELSTAR 11N - (37.55 W.L.)

Remote 8 - ALSAT - (ALSAT)

Remote 8 - TELSTAR 11N - (37.55 W.L.)

Remote 9 - ALSAT - (ALSAT)

Remote 9 - TELSTAR 11N - (37.55 W.L.)

SES-LIC-20120625-00618 E E120117 ViaSat, Inc.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 6155 El Camino Real, San Diego, Carlsbad, CA

33 ° 7 ' 30.92 " N LAT.

117 ° 16 ' 3.10 " W LONG.

ANTENNA ID:	1	3.8 meters	Prodelin	1185
	11700.0000 - 12200.0000 MHz	36M0G7D	49.50 dBW	Digital data
	14000.0000 - 14500.0000 MHz	36M0G7D	72.45 dBW	Digital data

Points of Communication:

1 - ALSAT - (ALSAT)

SES-LIC-20120628-00620 E E120119 MEREDITH CORPORATION- WFSB

Application for Authority

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 333 CAPITAL BOULEVARD WFSB TRANSPORTABLE, VARIOUS

ANTENNA ID:	1	1.35 meters	GENERAL DYNAMICS SATCOM TECHNOLOGIES	C135M.
	14000.0000 - 14500.0000 MHz	36M0G7W	64.10 dBW	One 36 Mbit MCPC digital carrier for voice/data with an emission designator of 36M0G7W

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20120229-00267 E E090086 VSAT SYSTEMS, LLC

Application for Modification

Class of Station: VSAT Network

Nature of Service: Fixed Satellite Service

VSAT SYSTEMS LLC seeks to add antenna hubs, HUB 4 and HUB 5, to communicate with ALSAT in the conventional Ku frequency band. This application has been amended by SES-AMD-20120619-00552.

SITE ID: Remote 4

LOCATION: 157 UNITS, (1.0m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-4	1 meters	PATRIOT ANT. SYSTEMS	1M.
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14000.0000 - 14500.0000 MHz	2M00G7W	46.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	38.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 5

LOCATION: 384 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID: R-5 1.2 meters PRODELIN CORPORATION 1.2M.

14000.0000 - 14500.0000 MHz	2M00G7W	48.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	48.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 6

LOCATION: 945 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID: R-6 1.2 meters ANDREW CORPORATION ESA1.2M.

14000.0000 - 14500.0000 MHz	2M00G7W	49.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	48.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 2

LOCATION: 40 UNITS, (.95m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID: R-2 0.95 meters PRODELIN CORPORATION 0.95M.

14000.0000 - 14500.0000 MHz	2M00G7W	46.00 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	41.00 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 3
LOCATION: 99 UNITS, (.98m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-3	0.98 meters	PRODELIN CORPORATION	0.98M.
	14000.0000 - 14500.0000 MHz	2M00G7W	46.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	38.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 15
LOCATION: 5 UNITS, (2.4m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-15	2.4 meters	CHANNEL MASTER	2.4M.
	14000.0000 - 14500.0000 MHz	2M00G7W	54.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	54.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 12
LOCATION: 87 UNITS, (1.8m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-12	1.8 meters	PRODELIN CORPORATION	1.8M.
	14000.0000 - 14500.0000 MHz	2M00G7W	51.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz	300KG7W	51.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 13
LOCATION: 87 UNITS, (1.8m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-13	1.8 meters	PATRIOT ANT. SYSTEMS	180KU
	14000.0000 - 14500.0000 MHz	2M00G7W	54.00 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2

14000.0000 - 14500.0000 MHz	300KG7W	51.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Akron (6.3m Hub)
 LOCATION: 1520 S. ARLINGTON (6.3m Hub2), SUMMIT, AKRON, OH
 41 ° 1 ' 51.50 " N LAT. 81 ° 29 ' 33.20 " W LONG.

ANTENNA ID: Hub 2 6.3 meters VERTEX/RSI 6.3M.

14000.0000 - 14500.0000 MHz	12M0G7W	77.50 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	2M60G7W	71.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	2M00G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	300KG7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Akron (6.3m Hub)
 LOCATION: 1520 S. ARLINGTON (6.3m Hub3), SUMMIT, AKRON, OH
 41 ° 1 ' 51.10 " N LAT. 81 ° 29 ' 34.10 " W LONG.

ANTENNA ID: Hub 3 6.3 meters VERTEX/RSI 6.3M

14000.0000 - 14500.0000 MHz	12M0G7W	77.50 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	2M60G7W	71.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	2M00G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	300KG7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 1
 LOCATION: 220 UNITS (.75m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK HI

ANTENNA ID: R-1 0.75 meters CHANNEL MASTER 0.75M

14000.0000 - 14500.0000 MHz	2M00G7W	44.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
14000.0000 - 14500.0000 MHz	300KG7W	37.10 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
11700.0000 - 12200.0000 MHz	12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
11700.0000 - 12200.0000 MHz	2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 7
LOCATION: 745 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-7	1.2 meters	C-COM	1.2M.	
	14000.0000 - 14500.0000 MHz		2M00G7W	47.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz		300KG7W	47.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz		12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz		2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 9
LOCATION: 200 UNITS, (1.2m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-9	1.2 meters	PATRIOT ANT. SYSTEMS	1.2M.	
	14000.0000 - 14500.0000 MHz		2M00G7W	53.90 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz		300KG7W	48.30 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz		12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz		2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 10
LOCATION: 87 UNITS, (1.8m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-10	1.8 meters	ANDREW CORPORATION	ASC1.8	
	14000.0000 - 14500.0000 MHz		2M00G7W	54.00 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	14000.0000 - 14500.0000 MHz		300KG7W	51.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
	11700.0000 - 12200.0000 MHz		12M0G7W		DIGITAL AUDIO AND DATA, 8PSK
	11700.0000 - 12200.0000 MHz		2M60G7W		DIGITAL AUDIO AND DATA, 8PSK

SITE ID: Remote 11
LOCATION: 87 UNITS, (1.8m Remotes) VARIOUS LOCATIONS THROUGHOUT, CONUS, AK, HI

ANTENNA ID:	R-11	1.8 meters	CHANNEL MASTER	1.8M.	
	14000.0000 - 14500.0000 MHz		2M00G7W	52.80 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2

11700.0000 - 12200.0000 MHz	1M50G7W		DIGITAL AUDIO AND DATA, 8PSK, DBS2
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14000.0000 - 14500.0000 MHz	12M0G7W	79.70 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
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SITE ID: Akron (6.3m Hub)
LOCATION: 1520 S. ARLINGTON (6.3m Hub1), SUMMIT, AKRON, OH
41 ° 1 ' 51.50 " N LAT. 81 ° 29 ' 33.70 " W LONG.

ANTENNA ID: Hub 1 6.3 meters VERTEX/RSI 6.3M.

14000.0000 - 14500.0000 MHz	12M0G7W	77.50 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
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14000.0000 - 14500.0000 MHz	2M60G7W	71.60 dBW	DIGITAL AUDIO AND DATA, 8PSK, DBS2
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11700.0000 - 12200.0000 MHz	2M00G7W		DIGITAL AUDIO AND DATA, 8PSK
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11700.0000 - 12200.0000 MHz	300KG7W		DIGITAL AUDIO AND DATA, 8PSK
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Points of Communication:

Akron (6.3m Hub) - ALSAT - (ALSAT)

Akron (6.3m Hub) - ALSAT - (ALSAT)

Akron (6.3m Hub) - ALSAT - (ALSAT)

Akron (6.3m Hub) - TELSTAR 11N - (37.55 W.L.)

Akron (6.3m Hub) - TELSTAR 11N - (37.55 W.L.)

Akron (6.3m Hub) - TELSTAR 11N - (37.55 W.L.)

HUB4 - ALSAT - (ALSAT)

HUB5 - ALSAT - (ALSAT)

Remote 1 - ALSAT - (ALSAT)

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

Remote 10 - ALSAT - (ALSAT)

Remote 10 - TELSTAR 11N - (37.55 W.L.)

Remote 11 - ALSAT - (ALSAT)

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

Remote 12 - ALSAT - (ALSAT)

Remote 12 - TELSTAR 11N - (37.55 W.L.)

Remote 13 - ALSAT - (ALSAT)

Remote 13 - TELSTAR 11N - (37.55 W.L.)

Remote 14 - ALSAT - (ALSAT)

Remote 14 - TELSTAR 11N - (37.55 W.L.)

Remote 15 - ALSAT - (ALSAT)

Remote 15 - TELSTAR 11N - (37.55 W.L.)

Remote 2 - ALSAT - (ALSAT)

Remote 2 - TELSTAR 11N - (37.55 W.L.)

Remote 3 - ALSAT - (ALSAT)

Remote 3 - TELSTAR 11N - (37.55 W.L.)

Remote 4 - ALSAT - (ALSAT)

Remote 4 - TELSTAR 11N - (37.55 W.L.)

Remote 5 - ALSAT - (ALSAT)

Remote 5 - TELSTAR 11N - (37.55 W.L.)

Remote 6 - ALSAT - (ALSAT)

Remote 6 - TELSTAR 11N - (37.55 W.L.)

Remote 7 - ALSAT - (ALSAT)

Remote 7 - TELSTAR 11N - (37.55 W.L.)

Remote 8 - ALSAT - (ALSAT)

Remote 8 - TELSTAR 11N - (37.55 W.L.)

Remote 9 - ALSAT - (ALSAT)

Remote 9 - TELSTAR 11N - (37.55 W.L.)

SES-MOD-20120308-00248 E KA399 TELESAT NETWORK SERVICES, INC.

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

TELESAT NETWORK SERVICES, INC. seeks to: (1) add Estrela do Sul 2 as a point of communication; (2) to communicate with Telstar 11N and Estrela do Sul 2 on extended Ku-band frequencies; (3) expand the frequency coordination satellite arc in the conventional Ku-band frequencies for the antenna identified as 15M; (4) restore ALSAT, which had previously been indicated on its license, as a point of communication for all conventional Ku-band frequencies; and (5) add the SE-125 ESV antenna to its license. This application has been amended by SES-AFS-20120620-00562.

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
14000.5000 - 1499.5000 MHz	960KF2D	93.10 dBW	TT&C
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
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
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
ANTENNA ID:	4006 ESV	1 meters	SEATEL	4006
	14000.0000 - 14500.0000 MHz	400KG7W	45.50 dBW	350 Kbps, .533 FEC, QPSK
	14000.0000 - 14500.0000 MHz	500KG7W	46.50 dBW	540 Kbps, .66 FEC, QPSK
	14000.0000 - 14500.0000 MHz	470KG7W	46.20 dBW	410 Kbps, .533 FEC, QPSK
	14000.0000 - 14500.0000 MHz	1M60G7W	50.30 dBW	1750 Kbps, .66 FEC, QPSK
	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
	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
ANTENNA ID:	2406 ESV	0.6 meters	SEATEL	2406
	14200.0000 - 14470.0000 MHz	943KG7W	38.10 dBW	1037 Kbps, QPSK, 33/50 FEC
	14000.0000 - 14500.0000 MHz	943KG7W	38.10 dBW	1037 Kbps, QPSK, 33/50 FEC
	11700.0000 - 12200.0000 MHz	943KG7W		NULL
	11450.0000 - 11700.0000 MHz	943KG7W		NULL
	10950.0000 - 11200.0000 MHz	943KG7W		NULL
	12500.0000 - 12750.0000 MHz	943kg7w		NULL
ANTENNA ID:	6006 ESV	1.5 meters	SEATEL	6006

14200.0000 - 14470.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
14000.0000 - 14500.0000 MHz	943KG7W	52.00 dBW	1037 Kbps, QPSK, 33/50 FEC
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
12500.0000 - 12750.0000 MHz	943KG7W		NULL

ANTENNA ID: 4009 ESV 1 meters SEATEL 4009

14200.0000 - 14470.0000 MHz	400KG7W	45.50 dBW	350KBPS, .533 FEC, QPSK
14200.0000 - 14470.0000 MHz	500KG7W	46.50 dBW	540 KBPS, .66 FEC, QPSK
14200.0000 - 14470.0000 MHz	1M60G7W	50.30 dBW	1750 KBPS, .66 FEC, QPSK
14200.0000 - 14470.0000 MHz	470KG7W	46.20 dBW	410 KBPS, .533 FEC, QPSK
11700.0000 - 12200.0000 MHz	1M76G7W		NULL
11700.0000 - 12200.0000 MHz	3M52G7W		NULL
11700.0000 - 12200.0000 MHz	5M77G7W		NULL
11450.0000 - 11700.0000 MHz	1M76G7W		NULL
11450.0000 - 11700.0000 MHz	3M52G7W		NULL
11450.0000 - 11700.0000 MHz	5M77G7W		NULL
10950.0000 - 11200.0000 MHz	1M76G7W		NULL
10950.0000 - 11200.0000 MHz	3M52G7W		NULL
10950.0000 - 11200.0000 MHz	5M77G7W		NULL
12500.0000 - 12750.0000 MHz	1M76G7W		NULL
12500.0000 - 12750.0000 MHz	3M52G7W		NULL
12500.0000 - 12750.0000 MHz	5M77G7W		NULL

ANTENNA ID: 6009 ESV 1.5 meters SEATEL 6009

14200.0000 - 14470.0000 MHz	943KG7W	52.00 dBW	1037 KBPS, QPSK, 33/50 FEC
11700.0000 - 12200.0000 MHz	943KG7W		NULL

11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
12500.0000 - 12750.0000 MHz	943KG7W		NULL
ANTENNA ID: USAT 24	0.6 meters	SEATEL	USAT 24
14200.0000 - 14470.0000 MHz	943KG7W	38.10 dBW	1037 KBPS, QPSK, 33/50 FEC
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
10950.0000 - 11200.0000 MHz	943KG7W		NULL
12500.0000 - 12750.0000 MHz	943KG7W		NULL
ANTENNA ID: 9797 ESV	2.4 meters	SEATEL	9797
14200.0000 - 14470.0000 MHz	943KG7W	57.50 dBW	1037 KBPS, QPSK, 33/50 FEC
11700.0000 - 12200.0000 MHz	943KG7W		NULL
11450.0000 - 11700.0000 MHz	943KG7W		NULL
12500.0000 - 12750.0000 MHz	943KG7W		NULL
ANTENNA ID: SE125ESV	1.25 meters	AZIMUTH	SE125
14200.0000 - 14470.0000 MHz	907KG7W	46.10 dBW	1037 KBPS, QPSK, 33/50 FEC
10950.0000 - 11200.0000 MHz	907KG7W		
11450.0000 - 11700.0000 MHz	907KG7W		
11700.0000 - 12200.0000 MHz	907KG7W		
ANTENNA ID: V60GESV	0.6 meters	INTELLIAN	V60G
14200.0000 - 14470.0000 MHz	717KG7W	38.30 dBW	QPSK, BPSK
10950.0000 - 11200.0000 MHz	717KG7W		QPSK, BPSK
11450.0000 - 11700.0000 MHz	717KG7W		QPSK, BPSK
11700.0000 - 12200.0000 MHz	717KG7W		QPSK, BPSK
ANTENNA ID: V110ESV	1.05 meters	INTELLIAN	V110
14200.0000 - 14470.0000 MHz	970KG7W	49.30 dBW	QPSK, BPSK

10950.0000 - 11200.0000 MHz	970KG7W	QPSK, BPSK
11450.0000 - 11700.0000 MHz	970KG7W	QPSK, BPSK
11700.0000 - 12200.0000 MHz	970KG7W	QPSK, BPSK

Points of Communication:

1 - ALSAT - (ALSAT)

1 - ESTRELA DO SUL 2 - (63 W.L.)

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

1 - MSAT-2 (AMSC-1) - (103.3 W.L.)

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

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