



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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WASHINGTON D.C. 20554

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Report No. SES-01276

Wednesday September 8, 2010

SATELLITE COMMUNICATIONS SERVICES INFORMATION

RE: ACTIONS TAKEN

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

SES-AFS-20090227-00224 E KA249 Vizada, Inc.
Amendment
Grant of Authority Date Effective: 09/07/2010

Class of Station: Space Station Geostationary

Nature of Service: Earth Stations on-board Vessels, Fixed Satellite Service

SITE ID: SANTA PAULA
LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA
34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 29.40 " W LONG.

ANTENNA ID:	13M	13 meters	UNIVERSAL	1130
	6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
	6440.8000 - 6443.0000 MHz	2M20G1D	78.00 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
	5925.0000 - 6425.0000 MHz	36M0F8F	82.70 dBW	ANALOG VIDEO
	5925.0000 - 6425.0000 MHz	18M0F8F-	82.70 dBW	ANALOG VIDEO
	5925.0000 - 6425.0000 MHz	36M0G7F	88.00 dBW	DIGITAL VIDEO
	5925.0000 - 6425.0000 MHz	4M00G7F-	83.50 dBW	DIGITAL VIDEO
	5925.0000 - 6425.0000 MHz	72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA
	5925.0000 - 6425.0000 MHz	21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA
	5925.0000 - 6425.0000 MHz	48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
	5925.0000 - 6425.0000 MHz	69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA

3700.0000 - 4200.0000 MHz	36M0F8F			ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-			ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F			DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-			DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W			DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-			DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	69K0G7W			DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	6M21G7W			DIGITAL VOICE, VIDEO AND DATA
3629.4000 - 3631.6000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1574.4000 - 1576.6000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
ANTENNA ID: 1.8M	1.8 meters	PRODELIN CORP.		1183
1574.4000 - 1576.6000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D			DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
SITE ID: C-band ESV				
LOCATION: Operate up to 300 2.4 meter ESV remotes U.S. waters and international waters				
ANTENNA ID: 9797	2.4 meters	SEATEL		99797
4037.0000 - 4198.0000 MHz	136KG1W			SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W			SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	272KG1W			SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W			SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

4037.0000 - 4198.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

ANTENNA ID:	9707	2.4 meters	SEATEL	9707
4037.0000 - 4198.0000 MHz		136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz		1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz		272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz		2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz		408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz		544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz		134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz		154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz		179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz		307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz		358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz		38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz		44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz		614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

Points of Communication:

C-band ESV - NSS 9 - (177 W.L.)

SANTA PAULA - ALSAT - (ALSAT)

SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)

SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)

SANTA PAULA - ISAT List -

SES-AMD-20071231-01757 E KA249 Vizada, Inc.
 Amendment
 Grant of Authority

Date Effective: 09/07/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: SANTA PAULA

LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA

34 ° 24 ' 5.00 " N LAT.

119 ° 4 ' 29.40 " W LONG.

ANTENNA ID: 13M 13 meters UNIVERSAL 1130

6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
6440.8000 - 6443.0000 MHz	2M20G1D	78.00 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
5925.0000 - 6425.0000 MHz	36M0F8F	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	83.50 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA

5925.0000 - 6425.0000 MHz	48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
5925.0000 - 6425.0000 MHz	69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	69K0G7W		DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	6M21G7W		DIGITAL VOICE, VIDEO AND DATA
3629.4000 - 3631.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
ANTENNA ID: 1.8M	1.8 meters	PRODELIN CORP.	1183
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
SITE ID: C-band ESV	LOCATION: Operate up to 300 2.4 meter ESV remotes U.S. waters and international waters		
ANTENNA ID: 9797	2.4 meters	SEATEL	9797
6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

4037.0000 - 4198.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
ANTENNA ID: 9707	2.4 meters	SEATEL	9707
6262.0000 - 6423.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
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6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
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4037.0000 - 4198.0000 MHz	408KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	544KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

Points of Communication:

C-band ESV - NSS-5 - (183 E.L.)

SANTA PAULA - ALSAT - (ALSAT)

SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)

SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)

SES-AMD-20080407-00431 E KA249 Vizada, Inc.

Amendment

Grant of Authority

Date Effective: 09/07/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

SITE ID: SANTA PAULA

LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA

34 ° 24 ' 5.00 " N LAT.

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5925.0000 - 6425.0000 MHz	18M0F8F-	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	83.50 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA

5925.0000 - 6425.0000 MHz	21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
5925.0000 - 6425.0000 MHz	69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA
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3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	69K0G7W		DIGITAL VOICE, VIDEO AND DATA
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ANTENNA ID: 1.8M	1.8 meters	PRODELIN CORP.	1183
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6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
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6262.0000 - 6243.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

4037.0000 - 4198.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
ANTENNA ID: 9707	2.4 meters	SEATEL	9707
6262.0000 - 6423.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

4037.0000 - 4198.0000 MHz	272KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	544KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

Points of Communication:

C-band ESV - NSS-5 - (183 E.L.)

SANTA PAULA - ALSAT - (ALSAT)

SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)

SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)

SES-AMD-20080709-00920 E KA249 Vizada, Inc.

Amendment

Grant of Authority

Date Effective: 09/07/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

SITE ID: SANTA PAULA

LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA

34 ° 24 ' 5.00 " N LAT.

119 ° 4 ' 29.40 " W LONG.

ANTENNA ID: 13M 13 meters UNIVERSAL 1130

6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
6440.8000 - 6443.0000 MHz	2M20G1D	78.00 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
5925.0000 - 6425.0000 MHz	36M0F8F	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	83.50 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA

5925.0000 - 6425.0000 MHz	21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
5925.0000 - 6425.0000 MHz	69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	69K0G7W		DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	6M21G7W		DIGITAL VOICE, VIDEO AND DATA
3629.4000 - 3631.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
ANTENNA ID: 1.8M	1.8 meters	PRODELIN CORP.	1183
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
SITE ID: C-band ESV			
LOCATION: Operate up to 300 2.4 meter ESV remotes U.S. waters and international waters			
ANTENNA ID: 9797	2.4 meters	SEATEL	9797
6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

4037.0000 - 4198.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
ANTENNA ID: 9707	2.4 meters	SEATEL	9707
6262.0000 - 6423.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

4037.0000 - 4198.0000 MHz	272KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	544KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

Points of Communication:

C-band ESV - NSS-5 - (183 E.L.)

SANTA PAULA - ALSAT - (ALSAT)

SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)

SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)

SES-AMD-20090318-00352 E KA249 Vizada, Inc.

Amendment

Grant of Authority

Date Effective: 09/07/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

SITE ID: SANTA PAULA

LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA

34 ° 24 ' 5.00 " N LAT.

119 ° 4 ' 29.40 " W LONG.

ANTENNA ID: 13M 13 meters UNIVERSAL 1130

6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
6440.8000 - 6443.0000 MHz	2M20G1D	78.00 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
5925.0000 - 6425.0000 MHz	36M0F8F	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	83.50 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA

5925.0000 - 6425.0000 MHz	21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
5925.0000 - 6425.0000 MHz	69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	69K0G7W		DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	6M21G7W		DIGITAL VOICE, VIDEO AND DATA
3629.4000 - 3631.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
ANTENNA ID: 1.8M	1.8 meters	PRODELIN CORP.	1183
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
SITE ID: C-band ESV			
LOCATION: Operate up to 300 2.4 meter ESV remotes U.S. waters and international waters			
ANTENNA ID: 9797	2.4 meters	SEATEL	9797
6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

4037.0000 - 4198.0000 MHz	544KG1W			SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
ANTENNA ID: 9707	2.4 meters	SEATEL		9707
6262.0000 - 6423.0000 MHz	134KG1W	50.56 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	154KG1W	51.14 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	179KG1W	51.81 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	307KG1W	54.15 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	358KG1W	54.82 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	38K4G1W	45.12 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	44K8G1W	45.79 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	614KG1W	57.16 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	717KG1W	57.83 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	76K8G1W	48.13 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6423.0000 MHz	89K6G1W	48.80 dBW		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	136KG1W			SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	1M09G1W			SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

4037.0000 - 4198.0000 MHz	272KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	2M18G1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	408KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
4037.0000 - 4198.0000 MHz	544KG1W	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

Points of Communication:

C-band ESV - NSS 9 - (177 W.L.)

SANTA PAULA - ALSAT - (ALSAT)

SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)

SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)

SANTA PAULA - ISAT List -

SES-AMD-20100111-00056 E KA249 Vizada, Inc.

Amendment

Grant of Authority

Date Effective: 09/07/2010

Class of Station: Other

Nature of Service: Fixed Satellite Service, Other

SITE ID: SANTA PAULA

LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA

34 ° 24 ' 5.00 " N LAT.

119 ° 4 ' 29.40 " W LONG.

ANTENNA ID: 13M 13 meters UNIVERSAL 1130

6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
6440.8000 - 6443.0000 MHz	2M20G1D	78.00 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
5925.0000 - 6425.0000 MHz	36M0F8F	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	83.50 dBW	DIGITAL VIDEO

5925.0000 - 6425.0000 MHz	72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
5925.0000 - 6425.0000 MHz	69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	69K0G7W		DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	6M21G7W		DIGITAL VOICE, VIDEO AND DATA
3629.4000 - 3631.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
ANTENNA ID: 1.8M	1.8 meters	PRODELIN CORP.	1183
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
SITE ID: C-band ESV			
LOCATION: Operate up to 300 2.4 meter ESV remotes U.S. waters and international waters			
ANTENNA ID: 9797	2.4 meters	SEATEL	99797
5925.0000 - 6425.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

5925.0000 - 6425.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
6262.0000 - 6243.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 5425.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

3700.0000 - 4200.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	134KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

5925.0000 - 6425.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
ANTENNA ID: 9707	2.4 meters	SEATEL	9707
5925.0000 - 6425.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

3700.0000 - 4200.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

5925.0000 - 6425.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

Points of Communication:

- C-band ESV - NSS 9 - (177 W.L.)
- SANTA PAULA - ALSAT - (ALSAT)
- SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)
- SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)
- SANTA PAULA - ISAT List -

SES-MFS-20100426-00479 E KA283 MOBILE SATELLITE COMMUNICATIONS, INC. D/B/A PITTSBURGH INTERNATIONAL TELEPORT
 Modification 06/20/2001 - 06/20/2011
 Grant of Authority Date Effective: 09/07/2010

Class of Station: Fixed Earth Stations

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

SITE ID: 1
 LOCATION: 201 BROWNTOWN ROAD, ALLEGHENY, NEW KENSINGTON, PA
 40 ° 32 ' 1.00 " N LAT. 79 ° 45 ' 15.00 " W LONG.

ANTENNA ID: 1 9.2 meters RADIATION SYSTEMS 920KS

14000.0000 - 14500.0000 MHz	282KG7W	68.20 dBW	INTELSAT BUSINESS SERVICE (IBS).
14000.0000 - 14500.0000 MHz	600KG7D	64.60 dBW	DATANET, SWITCHED AND NON-SWITCHED PRIVATE LINE SERVICE, DIGITAL VOICE AND DATA
11450.0000 - 11700.0000 MHz	600KG7D		DATANET, SWITCHED AND NON-SWITCHED PRIVATE LINE SERVICE, DIGITAL VOICE AND DATA
10950.0000 - 11200.0000 MHz	282KG7W		INTELSAT BUSINESS SERVICE (IBS).
11700.0000 - 12200.0000 MHz	178KG7D		DATA
11700.0000 - 12200.0000 MHz	1M00G7D		DATA
11700.0000 - 12200.0000 MHz	27M0G7D		DATA
11700.0000 - 12200.0000 MHz	2M86G7D		DATA
11700.0000 - 12200.0000 MHz	2M00G7D		DATA
11700.0000 - 12200.0000 MHz	358KG7D		DATA
11700.0000 - 12200.0000 MHz	4K00G7D		DATA
11700.0000 - 12200.0000 MHz	538KG7D		DATA
11700.0000 - 12200.0000 MHz	717KG7D		DATA
11700.0000 - 12200.0000 MHz	90K0G7D		DATA
11700.0000 - 12200.0000 MHz	9M00G7D		DATA
11700.0000 - 12200.0000 MHz	36M0F3F		DATA
11700.0000 - 12200.0000 MHz	36M0G7D		DATA
11700.0000 - 12200.0000 MHz	4M80G7F		DATA
14000.0000 - 14500.0000 MHz	178KG7D	61.68 dBW	DATA
14000.0000 - 14500.0000 MHz	1M00G7D	69.17 dBW	DATA
14000.0000 - 14500.0000 MHz	27M0G7D	83.49 dBW	DATA
14000.0000 - 14500.0000 MHz	2M86G7D	73.74 dBW	DATA
14000.0000 - 14500.0000 MHz	2M00G7D	72.18 dBW	DATA

14000.0000 - 14500.0000 MHz	358KG7D	64.70 dBW	DATA
14000.0000 - 14500.0000 MHz	4K00G7D	45.20 dBW	DATA
14000.0000 - 14500.0000 MHz	538KG7D	66.48 dBW	DATA
14000.0000 - 14500.0000 MHz	717KG7D	67.73 dBW	DATA
14000.0000 - 14500.0000 MHz	90K0G7D	58.72 dBW	DATA
14000.0000 - 14500.0000 MHz	9M00G7D	78.72 dBW	DATA
14000.0000 - 14500.0000 MHz	36M0F3F	86.70 dBW	DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	36M0G7D	84.74 dBW	DIGITAL VIDEO
14000.0000 - 14500.0000 MHz	4M80G7F	75.99 dBW	DIGITAL VIDEO

Points of Communication:

1 - INTELSAT 605 - (332.5 E.L.)

1 - PERMITTED LIST - ()

SES-MOD-20070523-00709 E KA249 Vizada, Inc. 10/09/2001 - 10/09/2011
 Application for Modification Date Effective: 09/07/2010
 Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Earth Stations on-board Vessels, Fixed Satellite Service

SITE ID: SANTA PAULA
LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA
 34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 29.40 " W LONG.

ANTENNA ID: 13M	13 meters	UNIVERSAL	1130
6454.4000 - 6456.6000 MHz	2M20G1D	82.30 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
6440.8000 - 6443.0000 MHz	2M20G1D	78.00 dBW	DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
5925.0000 - 6425.0000 MHz	36M0F8F	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	18M0F8F-	82.70 dBW	ANALOG VIDEO
5925.0000 - 6425.0000 MHz	36M0G7F	88.00 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	4M00G7F-	83.50 dBW	DIGITAL VIDEO
5925.0000 - 6425.0000 MHz	72M0G7W	88.00 dBW	DIGITAL VOICE AND DATA

5925.0000 - 6425.0000 MHz	21K9G7W-	60.90 dBW	DIGITAL VOICE AND DATA
5925.0000 - 6425.0000 MHz	48M6G7W	83.10 dBW	DIGITAL VOICE, VIDEO AND DATA
5925.0000 - 6425.0000 MHz	69K0G7W	66.10 dBW	DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	36M0F8F		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	18M0F8F-		ANALOG VIDEO
3700.0000 - 4200.0000 MHz	36M0G7F		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	4M00G7F-		DIGITAL VIDEO
3700.0000 - 4200.0000 MHz	72M0G7W		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	21K9G7W-		DIGITAL VOICE AND DATA
3700.0000 - 4200.0000 MHz	69K0G7W		DIGITAL VOICE, VIDEO AND DATA
3700.0000 - 4200.0000 MHz	6M21G7W		DIGITAL VOICE, VIDEO AND DATA
3629.4000 - 3631.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
ANTENNA ID: 1.8M	1.8 meters	PRODELIN CORP.	1183
1574.4000 - 1576.6000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
1545.8000 - 1548.0000 MHz	2M20G1D		DIGITAL DATA & FEEDERLINK TO SUPPORT FAA-WASS PROGRAM
SITE ID: C-band ESV			
LOCATION: Operate up to 300 2.4 meter ESV remotes U.S. waters and international waters			
ANTENNA ID: 9797	2.4 meters	SEATEL	9797
3700.0000 - 4200.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

3700.0000 - 4200.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

5925.0000 - 6425.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

5925.0000 - 6425.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
ANTENNA ID: 9707	2.4 meters	SEATEL	9707
3700.0000 - 4200.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

5925.0000 - 6425.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	136KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	1M09G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	272KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	2M18G1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	408KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
3700.0000 - 4200.0000 MHz	544KG1W		SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	115KG1W	49.89 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	134KG1W	50.56 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	154KG1W	51.14 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

5925.0000 - 6425.0000 MHz	179KG1W	51.81 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	307KG1W	54.15 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	358KG1W	54.82 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	38K4G1W	45.12 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	44K8G1W	45.79 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	614KG1W	57.16 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	717KG1W	57.83 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	76K8G1W	48.13 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION
5925.0000 - 6425.0000 MHz	89K6G1W	48.80 dBW	SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION

Points of Communication:

C-band ESV - NSS 9 - (177 W.L.)

SANTA PAULA - ALSAT - (ALSAT)

SANTA PAULA - INMARSAT Ltd.-2 POR - (179 DEGR)

SANTA PAULA - INMARSAT Ltd-3 - (178 E.L.)

SANTA PAULA - ISAT List -

SES-MOD-20100524-00636 E E090157 Vitacom Services Corporation

Application for Modification

01/05/2010 - 01/05/2025

Grant of Authority

Date Effective: 09/07/2010

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: Miami

LOCATION: 1100 NW 163rd Drive, Dade, Miami, FL

25 ° 55 ' 25.70 " N LAT.

80 ° 13 ' 4.60 " W LONG.

ANTENNA ID:	A1	4.6 meters	Andrew Corporation	ESA46-124
	5850.0000 - 6425.0000 MHz		5M00G7D 66.10 dBW	Digital Data
	5850.0000 - 6425.0000 MHz		88K0G7D 48.50 dBW	Digital Data
	3700.0000 - 4200.0000 MHz		5M00G7D	Digital Data
	3700.0000 - 4200.0000 MHz		88K0G7D	Digital Data
ANTENNA ID:	A2	3.8 meters	Prodelin Corporation	1383
	5850.0000 - 6425.0000 MHz		5M00G7D 64.40 dBW	Digital Data
	5850.0000 - 6425.0000 MHz		88K0G7D 46.80 dBW	Digital Data
	3700.0000 - 4200.0000 MHz		5M00G7D	Digital Data
	3700.0000 - 4200.0000 MHz		88K0G7D	Digital Data
ANTENNA ID:	A3	4.6 meters	Andrew Corporation	ESA46-124
	14000.0000 - 14500.0000 MHz		5M00G7D 72.00 dBW	Digital Data
	14000.0000 - 14500.0000 MHz		88K0G7D 54.40 dBW	Digital Data
	11450.0000 - 12200.0000 MHz		5M00G7D	Digital Data
	11450.0000 - 12200.0000 MHz		88K0G7D	Digital Data
	10950.0000 - 11200.0000 MHz		5M00G7D	Digital Data
	10950.0000 - 11200.0000 MHz		88K0G7D	Digital Data
	13750.0000 - 13772.0000 MHz		5M00G7D 72.00 dBW	Digital Data
	13778.0000 - 14000.0000 MHz		5M00G7D 72.00 dBW	Digital Data

Points of Communication:

Miami - ALSAT - (ALSAT)

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

SES - MOD - 20100615 - 00701 E E980076 SES Americom, Inc.
 Application for Modification
 Grant of Authority

01/23/2008 - 01/23/2023
 Date Effective: 09/07/2010

Class of Station: Fixed Earth Stations

Nature of Service: Direct to Home Fixed Satellite, Fixed Satellite Service

SITE ID: BRISTOW
 LOCATION: 8031 PINEY BRANCH LANE, PRINCE WILLIAM, BRISTOW, VA
 38 ° 47 ' 1.00 " N LAT. 77 ° 34 ' 23.00 " W LONG.

ANTENNA ID:	1	9 meters	VERTEX COMM.	9KPC	
	6425.0000 - 6650.0000 MHz		43K8G7D	53.70 dBW	Digital data
	6425.0000 - 6650.0000 MHz		51K2G7D	54.10 dBW	Digital data
	6425.0000 - 6650.0000 MHz		4M80G7D	73.80 dBW	Digital data
	6304.3000 - 6425.0000 MHz		51K2G7D-	54.10 dBW	Digital data
	6304.3000 - 6425.0000 MHz		4M80G7D	73.80 dBW	Digital data
	6271.0000 - 6304.0000 MHz		4M80G7D	73.80 dBW	Digital data
	6271.0000 - 6304.0000 MHz		51K2G7D	54.10 dBW	Digital data
	6271.0000 - 6304.0000 MHz		43K8G7D	53.70 dBW	Digital data
	5925.0000 - 6268.0000 MHz		51K2G7D-	54.10 dBW	Digital data
	5925.0000 - 6268.0000 MHz		4M80G7D	73.80 dBW	Digital data
	5850.0000 - 5925.0000 MHz		43K8G7D	53.70 dBW	Digital data
	5850.0000 - 5925.0000 MHz		51K2G7D	54.10 dBW	Digital data
	5850.0000 - 5925.0000 MHz		4M80G7D	73.80 dBW	Digital data
	3700.0000 - 4200.0000 MHz		4M80G7D		Digital data
ANTENNA ID:	9.3M	9.3 meters	VERTEX	KPC	
	11701.0000 - 11701.0000 MHz		NON		CW, Tracking beacon
	11452.0000 - 11452.0000 MHz		NON		CW, Tracking beacon
	11198.0000 - 11198.0000 MHz		NON		CW, Tracking beacon
	6301.2900 - 6425.0000 MHz		43K8G7D-	53.70 dBW	Digital data
	6301.2900 - 6425.0000 MHz		4M80G7D	74.09 dBW	Digital data
	6175.5500 - 6177.0500 MHz		900KF1D	74.60 dBW	FM, Telecommand Frequency 2
	6172.9500 - 6174.4500 MHz		900KF1D	74.60 dBW	FM, Telecommand Frequency 1
	5925.0000 - 6271.0900 MHz		43K8G7D-	53.70 dBW	Digital data

5925.0000 - 6271.0900 MHz	4M80G7D	74.09 dBW	Digital data
3952.2500 - 3952.7500 MHz	500KG7D		PM, Telemetry Beacon 2 (Beacon 2 and 2A not simultaneous)
3952.2500 - 3952.7500 MHz	500KG7D		PM, Telemetry Beacon 2 (Beacon 2 and 2A not simultaneous)
3951.7500 - 3952.2500 MHz	500KG7D		PM, Telemetry Beacon 2 (Beacon 2 and 2A not simultaneous)
3947.7500 - 3948.2500 MHz	500KG7D		PM, Telemetry Beacon 1 (Beacon 1 and 1A not simultaneous)
3947.2500 - 3947.7500 MHz	500KG7D		PM, Telemetry Beacon 1 (Beacon 1 and 1A not simultaneous)
3700.0000 - 4200.0000 MHz	43K8G7D-		Digital data
3700.0000 - 4200.0000 MHz	4M80G7D		Digital data
3700.0000 - 4200.0000 MHz	43K8G7W		Digital data
3700.0000 - 4200.0000 MHz	77M0G7W		Digital data
5925.0000 - 6425.0000 MHz	43K8G7W	61.50 dBW	Data
5925.0000 - 6425.0000 MHz	77M0G7W	80.80 dBW	Data

Points of Communication:

BRISTOW - ALSAT - (ALSAT)

BRISTOW - New Skies 806 - (319.5 E.L.)

BRISTOW - NSS-7 - (338.5 E.L.)

BRISTOW - PAS-3R - (43.0 W.L.)

SES-MOD-20100702-00861 E E070218 MTN License Corp. 10/16/2007 - 10/16/2022
 Application for Modification Date Effective: 09/07/2010
 Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 200 Telegraph Hill Road, Monmouth, Holmdel, NJ
 40 ° 23 ' 42.00 " N LAT.

74 ° 10 ' 25.00 " W LONG.

ANTENNA ID: HOM-E61-1 6.1 meters Vertex Corporation 6.1 KPK

14000.0000 - 14500.0000 MHz 9K60G7D 46.90 dBW Digital Data Services

	14000.0000 - 14500.0000 MHz	45M0G7D	74.90 dBW	Digital Data Services
	11700.0000 - 12200.0000 MHz	9K60G7D		Digital Data Services
	11700.0000 - 12200.0000 MHz	45M0G7D		Digital Data Services
ANTENNA ID:	HOM-E61-2	6.1 meters	Vertex Corporation	6.1 KPK
	14000.0000 - 14500.0000 MHz	40M5G7W	71.85 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	58K0G7W	53.85 dBW	Digital Data Services
	13800.0000 - 14000.0000 MHz	40M5G7W	71.85 dBW	Digital Data Services
	13800.0000 - 14000.0000 MHz	58K0G7W	53.85 dBW	Digital Data Services
	11700.0000 - 12200.0000 MHz	40M5G7W		Digital Data Services
	11700.0000 - 12200.0000 MHz	58K0G7W		Digital Data Services
ANTENNA ID:	HOM-E61-3	6.1 meters	Vertex Corporation	6.1 KPK
	14000.0000 - 14500.0000 MHz	40M5G7W	71.85 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	58K0G7W	53.85 dBW	Digital Data Services
	13800.0000 - 14000.0000 MHz	40M5G7W	71.85 dBW	Digital Data Services
	13800.0000 - 14000.0000 MHz	58K0G7W	53.85 dBW	Digital Data Services
	11700.0000 - 12200.0000 MHz	40M5G7W		Digital Data Services
	11700.0000 - 12200.0000 MHz	58K0G7W		Digital Data Services
ANTENNA ID:	HOM-E61-4	6.1 meters	Vertex Corporation	6.1 KPK
	14000.0000 - 14500.0000 MHz	40M5G7W	71.85 dBW	Digital Data Services
	14000.0000 - 14500.0000 MHz	58K0G7W	53.85 dBW	Digital Data Services
	13800.0000 - 14000.0000 MHz	40M5G7W	71.85 dBW	Digital Data Services
	13800.0000 - 14000.0000 MHz	58K0G7W	53.85 dBW	Digital Data Services
	11700.0000 - 12200.0000 MHz	40M5G7W		Digital Data Services
	11700.0000 - 12200.0000 MHz	58K0G7W		Digital Data Services
ANTENNA ID:	HOM-E6.3-1	6.3 meters	Vertex Corporation	6.3 KXX1
	11700.0000 - 12200.0000 MHz	40M5G7W		Digital Data Services

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 425 14th Street, NW (WGCL), Fulton, Atlanta, GA

33 ° 47 ' 12.60 " N LAT.

84 ° 24 ' 1.60 " W LONG.

ANTENNA ID: 1 2.4 meters COBHAM TXFCC-240NVDASO

14000.0000 - 14500.0000 MHz 36M0G7W 68.20 dBW One digital carrier for video/voice/data

11700.0000 - 12200.0000 MHz 36M0G7W 0.00 dBW

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100823-01068 E E900630 The Boeing Company

Renewal

09/28/2010 - 09/28/2025

Grant of Authority

Date Effective: 09/03/2010

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: VARIOUS

ANTENNA ID: 1 3.7 meters ANDREW E5A37AP

14000.0000 - 14500.0000 MHz 27M0G7D 75.40 dBW

14000.0000 - 14500.0000 MHz 27M0G7D 75.40 dBW

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100824-01074 E E900686 SDTV / San Diego Teleproductions

Renewal

10/12/2010 - 10/12/2025

Grant of Authority

Date Effective: 09/03/2010

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: VARIOUS

ANTENNA ID: 1 2.4 meters ANDREW CORPORATION ESA-24 VSM

14000.0000 - 14500.0000 MHz 36M0F3F 74.90 dBW

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100824-01078 E E000596 ABS-CBN International, Inc.
 Renewal
 Grant of Authority

11/06/2010 - 11/06/2025
 Date Effective: 09/03/2010

Class of Station: Fixed Earth Stations

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

SITE ID: 1

LOCATION: 2901 COLUMBIA AVE., CONTRA COSTA, RICHMOND, CA
 37 ° 54 ' 18.00 " N LAT. 122 ° 18 ' 56.60 " W LONG.

ANTENNA ID:	1	9 meters	VERTEX	9 KPC
	5925.0000 - 6425.0000 MHz	18M0F8F-	80.00 dBW	FM ANALOG VIDEO/AUDIO
	5925.0000 - 6425.0000 MHz	36M0F8F	80.00 dBW	FM ANALOG VIDEO/AUDIO
	5925.0000 - 6425.0000 MHz	9M00G1F	80.00 dBW	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
	5925.0000 - 6425.0000 MHz	24M0G7F	80.00 dBW	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
	5925.0000 - 6425.0000 MHz	200KF3E	64.50 dBW	FM ANALOG AUDIO
	5925.0000 - 6425.0000 MHz	38K4G7E	60.60 dBW	DIGITAL AUDIO
	5925.0000 - 6425.0000 MHz	54K6G7W-	62.20 dBW	QPSK, 8PSK DIGITAL DATA
	5925.0000 - 6425.0000 MHz	35M9G7W	80.00 dBW	QPSK, 8PSK DIGITAL DATA
	5925.0000 - 6425.0000 MHz	618KD7W-	72.70 dBW	16QAM DIGITAL DATA
	5925.0000 - 6425.0000 MHz	20M3D7W	80.00 dBW	16QAM DIGITAL DATA
	3700.0000 - 4200.0000 MHz	18M0F8F-		FM ANALOG VIDEO/AUDIO
	3700.0000 - 4200.0000 MHz	36M0F8F		FM ANALOG VIDEO/AUDIO
	3700.0000 - 4200.0000 MHz	9M00G1F		SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
	3700.0000 - 4200.0000 MHz	24M0G7F		MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
	3700.0000 - 4200.0000 MHz	200KF3E		FM ANALOG AUDIO
	3700.0000 - 4200.0000 MHz	38KFG7E		DIGITAL AUDIO
	3700.0000 - 4200.0000 MHz	54K6G7W-		QPSK, 8PSK DIGITAL DATA

3700.0000 - 4200.0000 MHz	35M9G7W	QPSK, 8PSK DIGITAL DATA
3700.0000 - 4200.0000 MHz	618KD7W-	16QAM DIGITAL DATA
3700.0000 - 4200.0000 MHz	20M3D7W	16QAM DIGITAL DATA

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - ANIK E1 - (118.7 W.L.)
- 1 - ANIK E2 - (111.1 W.L.)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - SATMEX-5 - (116.8 W.L.)
- 1 - SOLIDARIDAD F-1 - (109.2 W.L.)
- 1 - SOLIDARIDAD F-2 - (113.0 W.L.)

SES-RWL-20100824-01079 E E000586 ABS-CBN International, Inc. 11/06/2010 - 11/06/2025
Renewal Date Effective: 09/03/2010
Grant of Authority

Class of Station: Fixed Earth Stations

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

SITE ID: 1
LOCATION: 2901 COLUMBIA AVE., CONTRA COSTA, RICHMOND, CA
37 ° 54 ' 17.80 " N LAT. 122 ° 18 ' 57.00 " W LONG.

ANTENNA ID: 1	7.2 meters	VERTEX	7.2 KPC
5925.0000 - 6424.0000 MHz	18M0F8F-	77.70 dBW	FM ANALOG VIDEO/AUDIO
5925.0000 - 6424.0000 MHz	36M0F8F	77.70 dBW	FM ANALOG VIDEO/AUDIO
5925.0000 - 6424.0000 MHz	9M00G1F	77.70 dBW	SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
5925.0000 - 6424.0000 MHz	24M0G7F	77.70 dBW	MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
5925.0000 - 6424.0000 MHz	200KF3E	62.20 dBW	FM ANALOG AUDIO
5925.0000 - 6424.0000 MHz	38K4G7E	58.30 dBW	DIGITAL AUDIO
5925.0000 - 6424.0000 MHz	54K6G7W-	59.90 dBW	QPSK, 8PSK DIGITAL DATA

5925.0000 - 6424.0000 MHz	35M9G7W	77.70 dBW	QPSK, 8PSK DIGITAL DATA
5925.0000 - 6424.0000 MHz	618KD7W-	70.40 dBW	16QAM DIGITAL DATA
5925.0000 - 6424.0000 MHz	20M3D7W	77.70 dBW	16QAM DIGITAL DATA
3700.0000 - 4200.0000 MHz	18M0F8F-		FM ANALOG VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	36M0F8F		FM ANALOG VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	9M00G1F		SINGLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	24M0G7F		MULTIPLE CHAN/CARRIER DIGITAL VIDEO/AUDIO
3700.0000 - 4200.0000 MHz	200KF3E		FM ANALOG AUDIO
3700.0000 - 4200.0000 MHz	38K4G7E		DIGITAL AUDIO
3700.0000 - 4200.0000 MHz	54K6G7W-		QPSK, 8PSK DIGITAL DATA
3700.0000 - 4200.0000 MHz	35M9G7W		QPSK, 8PSK DIGITAL DATA
3700.0000 - 4200.0000 MHz	618KD7W-		16QAM DIGITAL DATA
3700.0000 - 4200.0000 MHz	20M3D7W		16QAM DIGITAL DATA

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - ANIK E1 - (118.7 W.L.)
- 1 - ANIK E2 - (111.1 W.L.)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - SATMEX-5 - (116.8 W.L.)
- 1 - SOLIDARIDAD F-1 - (109.2 W.L.)
- 1 - SOLIDARIDAD F-2 - (113.0 W.L.)

SES-RWL-20100825-01081 E E900471 U.S. Satellite Corporation
Renewal
Grant of Authority

10/05/2010 - 10/05/2025
Date Effective: 09/03/2010

Class of Station: VSAT Network

Nature of Service: Domestic Fixed Satellite Service

SITE ID: REMOTE 2.4
 LOCATION: VSAT (2.4METER), CONUS (300 UNITS)

ANTENNA ID:	2.4M	2.4 meters	PRODELIN	1244	
	14000.0000 - 14500.0000 MHz		307KG7D	51.80 dBW	
	14000.0000 - 14500.0000 MHz		307KG7D	51.80 dBW	DIGITAL VOICE AUDIO AND DATA
	14000.0000 - 14500.0000 MHz		202KG7D	51.80 dBW	DIGITAL VOICE AUDIO AND DATA
	14000.0000 - 14500.0000 MHz		404KG7D	54.80 dBW	DIGITAL VOICE AUDIO AND DATA
	14000.0000 - 14500.0000 MHz		808KG7D	54.80 dBW	DIGITAL VOICE AUDIO AND DATA
	14000.0000 - 14500.0000 MHz		153KG7D	48.80 dBW	DIGITAL VOICE AUDIO AND DATA
	14000.0000 - 14500.0000 MHz		614KG7D	54.80 dBW	DIGITAL VOICE AUDIO AND DATA
	11700.0000 - 12200.0000 MHz		36M0F9W		
	11700.0000 - 12200.0000 MHz		30K0G8E		
	11700.0000 - 12200.0000 MHz		1M23G7D		
	11700.0000 - 12200.0000 MHz		36M0F9W		ANALOG VIDEO AND AUDIO SUBCARRIERS
	11700.0000 - 12200.0000 MHz		30K0G8E		NBFM AUDIO
	11700.0000 - 12200.0000 MHz		1M23G7D		DIGITAL DATA, AUDIO AND VOICE
	11700.0000 - 12200.0000 MHz		360KF8E		ANALOG SCPC
	11700.0000 - 12200.0000 MHz		1M20G7D		DIGITAL 2.9 CLI VID & DIG AUDIO/DATA
	11700.0000 - 12200.0000 MHz		1M34G7D		DIGITAL 3.3 CLI VID & DIG AUDIO/DATA
	11700.0000 - 12200.0000 MHz		2M98G7D		DIGITAL 6.6 CLI VID & DIG AUDIO/DATA
	11700.0000 - 12200.0000 MHz		24M0G7D		DIGITAL OUTROUTE VID & DIG AUDIO/DATA
	11700.0000 - 12200.0000 MHz		1M29G7D		MCPC, DATA, AUDIO
	11700.0000 - 12200.0000 MHz		1M50G7D		MCPC, DATA, AUDIO, VIDEO
	11700.0000 - 12200.0000 MHz		3M00G7D		MCPC, DATA, AUDIO, VIDEO
	11700.0000 - 12200.0000 MHz		6M00G7D		MCPC, DATA, AUDIO, VIDEO

11700.0000 - 12200.0000 MHz	12M0G7D		MCPC, DATA, AUDIO, VIDEO
11700.0000 - 12200.0000 MHz	24M0G7D		MCPC, DATA, AUDIO, VIDEO
SITE ID: REMOTE 1.2			
LOCATION: VSAT (1.2METER), CONUS (1500 UNITS)			
ANTENNA ID: 1.2M	1.2 meters	PRODELIN	1123
14000.0000 - 14500.0000 MHz	307KG7D	46.20 dBW	56KBPS DATA
14000.0000 - 14500.0000 MHz	307KG7D	46.20 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	202KG7D	46.20 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	404KG7D	49.20 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	808KG7D	49.20 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	153KG7D	43.20 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	614KG7D	49.20 dBW	DIGITAL VOICE AUDIO AND DATA
11700.0000 - 12200.0000 MHz	36M0F9W		ANALOG VIDEO AND AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	30K0G8E		ANALOG NBFM
11700.0000 - 12200.0000 MHz	1M23G7D		DIGITAL OUTROUTE DATA DIG AUDIO/VOICE
11700.0000 - 12200.0000 MHz	360KF8E		ANALOG SCPC
11700.0000 - 12200.0000 MHz	1M20G7D		DIGITAL 2.9 CLI VID & DIG AUDIO/DATA
11700.0000 - 12200.0000 MHz	1M34G7D		DIGITAL 3.3 CLI VID & DIG AUDIO/DATA
11700.0000 - 12200.0000 MHz	2M98G7D		DIGITAL 6.6 CLI VID & DIG AUDIO/DATA
11700.0000 - 12200.0000 MHz	24M0G7D		DIGITAL OUTROUTE VID & DIG AUDIO/DATA
11700.0000 - 12200.0000 MHz	36M0F9W		ANALOG VIDEO AND AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	30K0G8E		ANALOG NBFM
11700.0000 - 12200.0000 MHz	1M23G7D		DIGITAL OUTROUTE DATA DIG AUDIO/VOICE
11700.0000 - 12200.0000 MHz	360KF8E		ANALOG SCPC

11700.0000 - 12200.0000 MHz	1M20G7D	DIGITAL 2.9 CLI VID & DIG AUDIO/DATA
11700.0000 - 12200.0000 MHz	1M34G7D	DIGITAL 3.3 CLI VID & DIG AUDIO/DATA
11700.0000 - 12200.0000 MHz	2M98G7D	DIGITAL 6.6 CLI VID & DIG AUDIO/DATA
11700.0000 - 12200.0000 MHz	24M0G7D	DIGITAL OUTROUTE VID & DIG AUDIO/DATA
11700.0000 - 12200.0000 MHz	1M29G7D	MCPC, DATA, AUDIO
11700.0000 - 12200.0000 MHz	1M50G7D	MCPC, DATA, AUDIO, VIDEO
11700.0000 - 12200.0000 MHz	3M00G7D	MCPC, DATA, AUDIO, VIDEO
11700.0000 - 12200.0000 MHz	6M00G7D	MCPC, DATA, AUDIO, VIDEO
11700.0000 - 12200.0000 MHz	12M0G7D	MCPC, DATA, AUDIO, VIDEO
11700.0000 - 12200.0000 MHz	24M0G7D	MCPC, DATA, AUDIO, VIDEO

Points of Communication:

REMOTE 2.4 - ALSAT - (ALSAT)

SES-RWL-20100825-01082 E E900470 U.S. Satellite Corporation
 Renewal 10/05/2010 - 10/05/2025
 Grant of Authority Date Effective: 09/03/2010

Class of Station: VSAT Network

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
 LOCATION: VSAT (1.8 METER), CONUS, (2700 UNITS)

ANTENNA ID: 1 1.8 meters PRODELIN 1194

14000.0000 - 14500.0000 MHz	307KG7D	49.70 dBW	
14000.0000 - 14500.0000 MHz	307KG7D	49.70 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	202KG7D	49.70 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	404KG7D	52.70 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	808KG7D	52.70 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	153KG7D	46.70 dBW	DIGITAL VOICE AUDIO AND DATA
14000.0000 - 14500.0000 MHz	614KG7D	52.70 dBW	DIGITAL VOICE AUDIO AND DATA

ANTENNA ID:	KU-HUB-1	5.6 meters	ANDREW	ESA56-124
	14000.0000 - 14500.0000 MHz		9K60G7W- 46.80 dBW	QPSK, BPSK DIGITAL VOICE, DATA, FAX
	14000.0000 - 14500.0000 MHz		5M73G7W 74.60 dBW	QPSK, BPSK DIGITAL VOICE, DATA, FAX
	11700.0000 - 12200.0000 MHz		9K60G7W-	QPSK, BPSK DIGITAL VOICE, DATA, FAX
	11700.0000 - 12200.0000 MHz		5M73G7W	QPSK, BPSK DIGITAL VOICE, DATA, FAX

SITE ID: Remote
LOCATION: CONUS, AK

ANTENNA ID:	2.4/Remote	2.4 meters	PRODELIN	2.4
	14000.0000 - 14500.0000 MHz		13K5G1W- 39.80 dBW	
	14000.0000 - 14500.0000 MHz		2M86G1W 63.10 dBW	
	11700.0000 - 12200.0000 MHz		13K5G1W-	
	11700.0000 - 12200.0000 MHz		2M86G1W	
ANTENNA ID:	1.2/Remote	1.2 meters	CHANNEL MASTER	121
	14000.0000 - 14500.0000 MHz		40K0G7W 37.50 dBW	QPSK, BPSK DIGITAL VOICE, DATA, FAX
	11700.0000 - 12200.0000 MHz		80K0G7W	QPSK, BPSK DIGITAL VOICE, DATA, FAX

SITE ID: VSAT E872140
LOCATION: CONUS

ANTENNA ID:	Remote 243	2.4 meters	CHANNEL MASTER	243
	14000.0000 - 14500.0000 MHz		2M86G1W 63.30 dBW	DIGITAL DATA
	14000.0000 - 14500.0000 MHz		13K5G1W 39.98 dBW	DIGITAL DATA
	11700.0000 - 12200.0000 MHz		2M86G1W	DIGITAL DATA
	11700.0000 - 12200.0000 MHz		13K5G1W	DIGITAL DATA
ANTENNA ID:	Remote 1.2	1.2 meters	CHANNEL MASTER	121
	14000.0000 - 14500.0000 MHz		40K0G7W 39.30 dBW	DIGITAL DATA
	11700.0000 - 12200.0000 MHz		80K0G7W	DIGITAL DATA

14000.0000 - 14500.0000 MHz	13K5G1W-	48.30 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	2M86G1W	71.54 dBW	DIGITAL DATA
14000.0000 - 14500.0000 MHz	36M0F3F	80.00 dBW	ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
14000.0000 - 14500.0000 MHz	36M0G1F	80.00 dBW	DIGITAL VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	13K5G1W-		DIGITAL DATA
11700.0000 - 12200.0000 MHz	2M86G1W		DIGITAL DATA
11700.0000 - 12200.0000 MHz	36M0F3F		ANALOG VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS
11700.0000 - 12200.0000 MHz	36M0G1F		DIGITAL VIDEO WITH ASSOCIATED AUDIO SUBCARRIERS

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-8B - (43 W.L.)
- 1 - SATMEX-5 - (116.8 W.L.)
- 1 - SOLIDARIDAD F-2 - (113.0 W.L.)

SES - RWL - 20100830 - 01103 E E900512 BlueStone License Holdings Inc. 08/31/2010 - 08/31/2025
Renewal
Grant of Authority Date Effective: 09/03/2010

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID: 1 2.4 meters ANDREW ESA24VSM

14000.0000 - 14500.0000 MHz 36M0F8W 74.30 dBW

Points of Communication:

- 1 - ALSAT - (ALSAT)
-

SES-RWL-20100902-01118 E E900487 Mt Mansfield Television Inc
Renewal 09/21/2010 - 09/21/2025
Grant of Authority Date Effective: 09/03/2010

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

ANTENNA ID:	1	2.6 meters	VERTEX	DMK-2.6
	14000.0000 - 14500.0000 MHz		36M0F3F	77.10 dBW
	14000.0000 - 14500.0000 MHz		25M0F8F	77.10 dBW

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100902-01119 E E2338 Alascom, Inc.
Renewal 10/03/2010 - 10/03/2025
Grant of Authority Date Effective: 09/03/2010

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: ST. GEORGE, AK
56 ° 36 ' 2.00 " N LAT. 169 ° 32 ' 21.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-46
	5925.0000 - 6425.0000 MHz		1M77G7W	72.60 dBW
	5925.0000 - 6425.0000 MHz		24K0G1D	40.60 dBW
	5925.0000 - 6425.0000 MHz		86K4G1D	54.80 dBW
	5925.0000 - 6425.0000 MHz		75K6G1D	54.20 dBW
	5925.0000 - 6425.0000 MHz		53K3G1W	54.10 dBW
	5925.0000 - 6425.0000 MHz		26K7G1W	51.00 dBW
	5925.0000 - 6425.0000 MHz		13K3G1E	36.60 dBW
	3700.0000 - 4200.0000 MHz			

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100902-01120 E E2276 Alascom, Inc.
Renewal
Grant of Authority

10/03/2010 - 10/03/2025
Date Effective: 09/03/2010

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: ATKA, ATKA, AK
52 ° 11 ' 59.00 " N LAT.

174 ° 11 ' 43.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
	5925.0000 - 6425.0000 MHz		30K0F3W	45.80 dBW
	5925.0000 - 6425.0000 MHz		24K0G1D	40.60 dBW
	5925.0000 - 6425.0000 MHz		86K4G1D	54.80 dBW
	5925.0000 - 6425.0000 MHz		75K6G1D	54.20 dBW
	5925.0000 - 6425.0000 MHz		53K3G1W	54.10 dBW
	5925.0000 - 6425.0000 MHz		26K7G1W	51.00 dBW
	5925.0000 - 6425.0000 MHz		13K3G1E	36.60 dBW
	3700.0000 - 4200.0000 MHz			

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100902-01121 E E2278 Alascom, Inc.
Renewal
Grant of Authority

10/03/2010 - 10/03/2025
Date Effective: 09/03/2010

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: ANAKTUVUK PASS, ANAKTUVUK PASS, AK
68 ° 8 ' 31.00 " N LAT.

151 ° 43 ' 51.00 " W LONG.

ANTENNA ID:	1	4.5 meters	ANDREW CORPORATION	ESA45-39239
	5925.0000 - 6425.0000 MHz		30F9	47.90 dBW
	5925.0000 - 6425.0000 MHz		390KG7W	70.40 dBW

5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz	86K4G1D	54.80 dBW
5925.0000 - 6425.0000 MHz	75K6G1D	54.20 dBW
5925.0000 - 6425.0000 MHz	53K3G1W	54.10 dBW
5925.0000 - 6425.0000 MHz	26K7G1W	51.10 dBW
5925.0000 - 6425.0000 MHz	13K3G1E	48.00 dBW
5925.0000 - 6425.0000 MHz	30F9	53.90 dBW
3700.0000 - 4200.0000 MHz	30F9	
3700.0000 - 4200.0000 MHz	30F9	
3700.0000 - 4200.0000 MHz	25000F9	
3700.0000 - 4200.0000 MHz	390KG7W	
3700.0000 - 4200.0000 MHz	24K0G1D	
3700.0000 - 4200.0000 MHz	86K4G1D	
3700.0000 - 4200.0000 MHz	75K6G1D	
3700.0000 - 4200.0000 MHz	53K3G1W	
3700.0000 - 4200.0000 MHz	26K7G1W	
3700.0000 - 4200.0000 MHz	13K3G1E	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100902-01122 E E2196 Alascom Inc./United Utilities, Inc. 10/03/2010 - 10/03/2025
 Renewal Date Effective: 09/03/2010
 Grant of Authority

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: RUSSIAN MISSION, AK
 61 ° 47 ' 8.00 " N LAT.

161 ° 19 ' 15.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORP. ESA45-39239

5925.0000 - 6425.0000 MHz	30K0F3E	55.45 dBW
5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz	86K4G1D	54.80 dBW
5925.0000 - 6425.0000 MHz	75K6G1D	54.20 dBW
5925.0000 - 6425.0000 MHz	53K3G1W	54.10 dBW
5925.0000 - 6425.0000 MHz	26K7G1W	51.10 dBW
5925.0000 - 6425.0000 MHz	13K3G1E	48.00 dBW
5925.0000 - 6425.0000 MHz	30K0F3W	48.60 dBW
3700.0000 - 4200.0000 MHz	30K0F3E	
3700.0000 - 4200.0000 MHz	24K0G1D	
3700.0000 - 4200.0000 MHz	86K4G1D	
3700.0000 - 4200.0000 MHz	75K6G1D	
3700.0000 - 4200.0000 MHz	53K3G1W	
3700.0000 - 4200.0000 MHz	26K7G1W	
3700.0000 - 4200.0000 MHz	13K3G1E	
3700.0000 - 4200.0000 MHz	30K0F3W	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100902-01123	E E2245	Alascom Inc./United Utilities, Inc.	10/03/2010 - 10/03/2025
Renewal			Date Effective: 09/03/2010
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1

LOCATION: NIGHTMUTE, AK
60 ° 28 ' 48.00 " N LAT.

164 ° 43 ' 29.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-39239

5925.0000 - 6425.0000 MHz 30F9 47.90 dBW

5925.0000 - 6425.0000 MHz	30K0F3W	40.80 dBW
5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz	86K4G1D	50.90 dBW
5925.0000 - 6425.0000 MHz	75K6G1S	50.40 dBW
5925.0000 - 6425.0000 MHz	53K3G1W	49.20 dBW
5925.0000 - 6425.0000 MHz	26K7G1W	46.20 dBW
5925.0000 - 6425.0000 MHz	13K3G1E	43.20 dBW
3700.0000 - 4200.0000 MHz	30F9	
3700.0000 - 4200.0000 MHz	25000F9	
3700.0000 - 4200.0000 MHz	30K0F3W	
3700.0000 - 4200.0000 MHz	24K0G1D	
3700.0000 - 4200.0000 MHz	86K4G1D	
3700.0000 - 4200.0000 MHz	75K6G1D	
3700.0000 - 4200.0000 MHz	53K3G1W	
3700.0000 - 4200.0000 MHz	26K7G1W	
3700.0000 - 4200.0000 MHz	13K3G1E	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100902-01125	E E2230	Alascom Inc./United Utilities, Inc.	10/03/2010 - 10/03/2025
Renewal			Date Effective: 09/03/2010
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: KWIGILLINGOK, AK
59 ° 52 ' 8.00 " N LAT. 163 ° 8 ' 27.00 " W LONG.

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

5925.0000 - 6425.0000 MHz	30K0F3W	48.60 dBW
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5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz	86K4G1D	54.80 dBW
5925.0000 - 6425.0000 MHz	75K6G1D	54.20 dBW
5925.0000 - 6425.0000 MHz	53K3G1W	54.10 dBW
5925.0000 - 6425.0000 MHz	26K7G1W	51.00 dBW
5925.0000 - 6425.0000 MHz	13K3G1E	36.60 dBW
3700.0000 - 4200.0000 MHz	30K0F3W	
3700.0000 - 4200.0000 MHz	24K0G1D	
3700.0000 - 4200.0000 MHz	86K4G1D	
3700.0000 - 4200.0000 MHz	75K6G1D	
3700.0000 - 4200.0000 MHz	53K3G1W	
3700.0000 - 4200.0000 MHz	26K7G1W	
3700.0000 - 4200.0000 MHz	13K3G1E	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20100902-01126	E E2345	Alascom Inc./United Utilities, Inc.	10/03/2010 - 10/03/2025
Renewal			Date Effective: 09/03/2010
Grant of Authority			

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: CHEFORNAK, AK
60 ° 9 ' 35.00 " N LAT. 164 ° 16 ' 40.00 " W LONG.

ANTENNA ID: 1 4.5 meters ANDREW CORPORATION ESA45-39239

5925.0000 - 6425.0000 MHz	30K0F3W	40.80 dBW
5925.0000 - 6425.0000 MHz	24K0G1D	40.60 dBW
5925.0000 - 6425.0000 MHz	86K4G1D	50.80 dBW
5925.0000 - 6425.0000 MHz	75K6G1D	50.30 dBW

5925.0000 - 6425.0000 MHz	53K3G1W	49.10 dBW
5925.0000 - 6425.0000 MHz	26K7G1W	46.10 dBW
5925.0000 - 6425.0000 MHz	13K3G1E	36.60 dBW
3700.0000 - 4200.0000 MHz	30K0F3W	
3700.0000 - 4200.0000 MHz	24K0G1D	
3700.0000 - 4200.0000 MHz	86K4G1D	
3700.0000 - 4200.0000 MHz	75K6G1D	
3700.0000 - 4200.0000 MHz	53K3G1W	
3700.0000 - 4200.0000 MHz	26K7G1W	
3700.0000 - 4200.0000 MHz	13K3G1E	

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20100830-01104 E KA270 Intelsat North America LLC

Special Temporary Authority

Grant of Authority

Date Effective: 09/02/2010

Class of Station:

Special temporary authority is GRANTED with conditions for a period of 30 days beginning September 2, 2010 and ending October 1, 2010.

Points of Communication:

SES-STA-20100901-01116 E E050272 Lockheed Martin Corporation

Special Temporary Authority

Grant of Authority

Date Effective: 09/07/2010

Class of Station:

Extension of special temporary authority is GRANTED with condition for an additional 60 days beginning September 9, 2010 and ending November 7, 2010.

Points of Communication:

Dismissal

SES-STA-20100902-01127 KA249 Vizada, Inc.

Vizada, Inc.'s request for extension of special temporary authority is dismissed as Moot, due to the modification application was granted. See File No. SES-MOD-20070523-00709.

SES-STA-20100902-01128 KA249 Vizada, Inc.

Vizada, Inc.'s request for extension of special temporary authority is dismissed as Moot, due to the modification application was granted. See File No. SES-MOD-20070523-00709.

SURRENDER

SES-RWL-20001013-01973

E872139

BROADPOINT WIRELESS LICENSE CO., LLC

Licensee has surrendered authorization per letter dated August 25, 2010.

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