



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SES-01024

Wednesday April 16, 2008

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-AMD-20080331-00391 E E990081 Telesat Network Services, Inc.

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Amendment filed to change class of station. See File No. SES-MOD-20071101-01502.

SITE ID: 1

LOCATION: 1305 INDUSTRIAL PARK ROAD, SHENANDOAH, MOUNT JACKSON, VA
38 ° 43 ' 48.11 " N LAT. 78 ° 39 ' 29.51 " W LONG.

| ANTENNA ID: | 1 | 4.5 meters | ANDREW CORP. | ESA45 |
|-------------|-----------------------------|------------|--------------|--|
| | 14000.0000 - 14500.0000 MHz | 9M83G7W | 73.70 dBW | VOICE, FACSIMILE AND DATA / IBS |
| | 14000.0000 - 14500.0000 MHz | 27M7G7W | 71.00 dBW | INFO RATE 31500 KHZ; QPSK; FEC 5/6; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |
| | 14000.0000 - 14500.0000 MHz | 26M4G7W | 74.30 dBW | INFO RATE 26970 KHZ; QPSK; FEC 3/4; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |
| | 11700.0000 - 12200.0000 MHz | 9M83G7W | | VOICE, FACSIMILE AND DATA / IBS |
| | 11700.0000 - 12200.0000 MHz | 26M4G7W | | INFO RATE 26970 KHZ; QPSK; FEC 3/4; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |

| | | | |
|-----------------------------|---------|-----------|--|
| 11450.0000 - 11700.0000 MHz | 9M83G7W | | VOICE, FACSIMILE AND DATA / IBS |
| 11450.0000 - 11700.0000 MHz | 27M7G7W | | INFO RATE 31500 KHZ; QPSK; FEC 5/6; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |
| 10950.0000 - 11200.0000 MHz | 9M83G7W | | VOICE, FACSIMILE AND DATA / IBS |
| 10950.0000 - 11200.0000 MHz | 27M7G7W | | INFO RATE 31500 KHZ; QPSK; FEC 5/6; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |
| 10950.0000 - 11200.0000 MHz | 26M4G7W | | INFO RATE 26970 KHZ; QPSK; FEC 3/4; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |
| 14000.0000 - 14500.0000 MHz | 2M83G7D | 63.20 dBW | 2900 KBPS; QPSK; FEC |
| 14000.0000 - 14500.0000 MHz | 26M3G7D | 74.30 dBW | 26970 KBPS; QPSK; FEC |

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - PAS-3R - (43.0 W.L.)
- 1 - PAS-4 - (191.0 W.L.)
- 1 - PAS-8B - (43 W.L.)
- 1 - SATMEX-5 - (116.8 W.L.)
- 1 - TELSTAR 11 - (37.5 W.L.)

SES-AMD-20080331-00392 E E908149 Telesat Network Services, Inc.

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Amendment to change class of station. See File No. SES-MOD-20071101-01496.

SITE ID: 1

LOCATION: 1305 INDUSTRIAL PARK ROAD, SHENANDOAH, MOUNT JACKSON, VA

38 ° 43 ' 46.38 " N LAT.

78 ° 39 ' 28.50 " W LONG.

| ANTENNA ID: | 1 | 3.8 meters | PRODELIN | 1383 |
|-------------|-----------------------------|------------|-----------|--------------------------------------|
| | 14000.0000 - 14500.0000 MHz | 10M2G7W | 67.20 dBW | IBS |
| | 14000.0000 - 14500.0000 MHz | 2M52G7W | 67.20 dBW | IBS |
| | 11700.0000 - 12200.0000 MHz | 10M2G7W | | IBS |
| | 11700.0000 - 12200.0000 MHz | 2M52G7W | | IBS |
| | 11450.0000 - 11700.0000 MHz | 10M2G7W | | IBS |
| | 11450.0000 - 11700.0000 MHz | 2M52G7W | | IBS |
| | 10950.0000 - 11200.0000 MHz | 10M2G7W | | IBS |
| | 10950.0000 - 11200.0000 MHz | 2M52G7W | | IBS |
| | 11700.0000 - 12200.0000 MHz | 1M23G7W | | 1536 KBPS QPSK; TPC; 3/4 |
| | 14000.0000 - 14500.0000 MHz | 1M64G7W | 68.62 dBW | 2048 KBPS QPSK; TPC; 3/4; SCPC |
| | 11700.0000 - 12200.0000 MHz | 76K8G1W | | 27.584 KBPS; BPSK; TPC; 0.431; TDMA |
| | 14000.0000 - 14500.0000 MHz | 76K8G7W | 68.62 dBW | 27.584 KBPS; BPSK; TPC; 0.431; SCPC |
| | 14000.0000 - 14500.0000 MHz | 13M8G7W | 68.62 dBW | 30.325 MBPS; 8 PSK; TPC; 0.879; SCPC |
| | 11700.0000 - 12200.0000 MHz | 3M45G1W | | 6.839625 MBPS BPSK; TPC; 0.739; TDMA |

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - INTELSAT AOR - (342.0 E.L.)
- 1 - INTELSAT AOR - (359.0 E.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-3R - (43.0 W.L.)

1 - PAS-4 - (191.0 W.L.)

1 - TELSTAR 11 - (37.5 W.L.)

SES-AMD-20080403-00418 E E980178 EchoStar Corporation

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

EchoStar seeks to amend its application to modify its transmit/receive earth station license to correct an error in the call sign and file number previously provided. The modification application should reference Call Sign E980178 and File No. SESRWL2008030600233. No other changes are requested.

SITE ID: 1

LOCATION: 801 N. AMERICAN SKY BLVD. (#2), MARICOPA, GILBERT, AZ

33 ° 21 ' 55.30 " N LAT.

111 ° 48 ' 48.20 " W LONG.

| | | | |
|-----------------------------|-----------|-----------|----------------------------|
| ANTENNA ID: 1 | 13 meters | VERTEX | 13 KPK |
| 17305.0000 - 17305.0000 MHz | 900KF2D | 72.80 dBW | TT&C CHANNEL |
| 17301.0000 - 17301.0000 MHz | 900KF2D | 72.80 dBW | TT&C CHANNEL |
| 17300.0000 - 17800.0000 MHz | 26M0G7F | 87.40 dBW | DIGITAL VIDEO, VOICE, DATA |
| 17300.0000 - 17800.0000 MHz | 26M0G7D | 87.40 dBW | DIGITAL VIDEO, VOICE, DATA |
| 12200.0000 - 12700.0000 MHz | 26M0G7F | | DIGITAL VIDEO, VOICE, DATA |
| 12200.0000 - 12700.0000 MHz | 26M0G7D | | DIGITAL VIDEO, VOICE, DATA |

Points of Communication:

1 - ALSAT - (ALSAT)

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

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

Vizada, Inc. withdraws its pending request for a waiver of section 25.205(a) and requests the Commission to grant authorization pursuant to section 25.205(a) to provide C-band ESV service via the Santa Paula Teleport to ESV antennas transmitting at elevation angles between 3 degrees and 5 degrees as long as the transmission path is seaward and away from land masses and the ESVs meet the EIRP and EIRP density towards the horizon limits contained in section 25.205(h).

See File No. SES-MOD-20070523-00709.

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 |

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|---------------------------|------------|-----------|--|--|
| 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 | 136K6G1W | | 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 | 272K6G1W | | 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 | 408K6G1W | | SCPC CARRIER USING 16-QAM, 8-QAM, 8-PSK, QPSK OR BPSK MODULATION |
| 4037.0000 - 4198.0000 MHz | 544K6G1W | | 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-20080408-00437 E E030253 CapRock Communications, Inc.

Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Amendment to add radiation hazard study to Vertex 9.0m application. See File No. SES-MOD-20080310-00263.

SITE ID: 1

LOCATION: 4400 SOUTH SAM HOUSTON PKWY. E., HARRIS, HOUSTON, TX

29 ° 35 ' 54.00 " N LAT.

95 ° 20 ' 50.00 " W LONG.

ANTENNA ID: 1 9.3 meters VERTEX 9.3 KPK

| | | | |
|-----------------------------|---------|-----------|----------------------|
| 14000.0000 - 14500.0000 MHz | 1M85G7D | 73.45 dBW | DIGITAL DATA CARRIER |
|-----------------------------|---------|-----------|----------------------|

| | | | |
|-----------------------------|------------|-----------|----------------------|
| 14000.0000 - 14500.0000 MHz | 200KG7D | 63.78 dBW | DIGITAL DATA CARRIER |
| 14000.0000 - 14500.0000 MHz | 1M92G7D | 57.60 dBW | DIGITAL |
| 14000.0000 - 14500.0000 MHz | 3M85G7D | 60.60 dBW | DIGITAL |
| 14000.0000 - 14500.0000 MHz | 5M76G7D | 62.40 dBW | DIGITAL |
| 14000.0000 - 14500.0000 MHz | 7M68G7D | 63.60 dBW | DIGITAL |
| 14000.0000 - 14500.0000 MHz | 8M67G7D | 64.50 dBW | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 100KG7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 150KG7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 1M17G7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 200KG7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 300KG7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 390KG7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 50K0K7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 780KG7D | | DIGITAL |
| 11450.0000 - 12200.0000 MHz | 1M85G7D | | DIGITAL DATA CARRIER |
| 11450.0000 - 12200.0000 MHz | 200KG7D | | DIGITAL DATA CARRIER |
| 10950.0000 - 11200.0000 MHz | 1M85G7D | | DIGITAL DATA CARRIER |
| 10950.0000 - 11200.0000 MHz | 200KG7D | | DIGITAL DATA CARRIER |
| ANTENNA ID: 2 | 4.5 meters | ANDREW | ESA45-46A |
| 5925.0000 - 6425.0000 MHz | 1M85G7D | 68.95 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 200KG7D | 59.28 dBW | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 1M85G7D | | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 200KG7D | | DIGITAL DATA CARRIER |
| ANTENNA ID: 3 | 8.1 meters | VERTEX | 8.1 KPC |
| 5925.0000 - 6425.0000 MHz | 1M85G7D | 77.05 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 200KG7D | 67.40 dBW | DIGITAL DATA CARRIER |

| | | | |
|---------------------------|------------|-----------|--|
| 3700.0000 - 4200.0000 MHz | 1M85G7D | | DIGITAL DATA CARRIER DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 200KG7D | | DIGITAL DATA CARRIER |
| ANTENNA ID: 4 | 8.1 meters | VERTEX | 8.1 KPC |
| 5925.0000 - 6425.0000 MHz | 7M16G7W | 70.80 dBW | DIGITAL |
| 3700.0000 - 4200.0000 MHz | 7M16G7W | | DIGITAL |

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - INTELSAT 707 - (53 W.L.)
- 1 - INTELSAT AOR - (332.5 E.L.)
- 1 - SATMEX-5 - (116.8 W.L.)

SES-AMD-20080414-00459 E E080013 McLean Bible Church
Amendment

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Amendment filed to make changes regarding its status as being a not-for-profit/non-commercial /exempt entity. See File No. SES-LIC-20080222-00185.

SITE ID: 1
LOCATION: 8925 Leesburg Pike, Fairfax, Vienna, VA
38 ° 56 ' 25.06 " N LAT. 77 ° 15 ' 8.96 " W LONG.

| | | | |
|-----------------------------|------------|-----------|-----------------------|
| ANTENNA ID: 1 | 3.7 meters | Andrew | ES37MPJK-124W |
| 14000.0000 - 14500.0000 MHz | 9M00G1W | 72.30 dBW | MPEG2 Video and Audio |

Points of Communication:

- 1 - PERMITTED LIST - ()

SES-LIC-20080222-00185 E E080013 McLean Bible Church
Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

See associated amendment application SES-AMD-20080414-00459.

SITE ID: 1
LOCATION: 8925 Leesburg Pike, Fairfax, Vienna, VA
38 ° 56 ' 25.06 " N LAT. 77 ° 15 ' 8.96 " W LONG.

| | | | | |
|-------------|-----------------------------|------------|-----------|-----------------------|
| ANTENNA ID: | 1 | 3.7 meters | Andrew | ES37MPJK-124W |
| | 14000.0000 - 14500.0000 MHz | 9M00G1W | 72.30 dBW | MPEG2 Video and Audio |

Points of Communication:

1 - PERMITTED LIST - ()

SES-LIC-20080411-00456 E E970321 DISCOVERY WORLD TELEVISION, INC.

Application for Authority

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 6505 BLUE LAGOON DRIVE, DADE, MIAMI, FL
 25 ° 46 ' 58.20 " N LAT. 80 ° 18 ' 12.70 " W LONG.

| | | | | |
|-------------|---------------------------|------------|--------------|---|
| ANTENNA ID: | 7.2M. | 7.2 meters | VERTEX COMM. | KPC |
| | 3700.0000 - 4200.0000 MHz | 36M0G7W | | DIGITAL TRAFFIC, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFORMATION |
| | 3700.0000 - 4200.0000 MHz | 15M0G7W | | DIGITAL TRAFFIC, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFORMATION |
| | 5925.0000 - 5988.0000 MHz | 36M0G7W | 77.44 dBW | DIGITAL TRAFFIC, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFORMATION |
| | 5925.0000 - 5988.0000 MHz | 15M0G7W | 73.64 dBW | DIGITAL TRAFFIC, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFORMATION |
| | 6080.0000 - 6205.0000 MHz | 15M0G7W | 73.64 dBW | DIGITAL TRAFFIC, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFORMATION |
| | 6080.0000 - 6205.0000 MHz | 36M0G7W | 77.44 dBW | DIGITAL TRAFFIC, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFORMATION |
| | 6332.0000 - 6425.0000 MHz | 15M0G7W | 73.64 dBW | DIGITAL TRAFFIC, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFORMATION |
| | 6332.0000 - 6425.0000 MHz | 36M0G7W | 77.44 dBW | DIGITAL TRAFFIC, VARIOUS FEC, VARIOUS DATA RATES, VARIOUS INFORMATION |

Points of Communication:

1 - ALSAT - (ALSAT)

Modification

Class of Station: Fixed Earth Stations

Nature of Service: Direct Broadcast Satellite Service, Feeder Link for DBS in Fixed Satellite Service, Other

EchoStar Corporation requests to modify its transmit/receive earth station license to replace emissions designator 24M0M1F with emissions designator 24M0G1W and to add several DBS satellites as points of communication. No other changes are requested.

SITE ID: 1

LOCATION: 530 ECHOSTAR DRIVE, LARAMIE, CHEYENNE, WY

41 ° 7 ' 56.60 " N LAT.

104 ° 44 ' 15.60 " W LONG.

| | | | | |
|-------------|-----------------------------|-------------|-----------|--|
| ANTENNA ID: | 1 | 13.2 meters | TIW | 13.2 METER |
| | 17308.2500 - 17309.7500 MHz | 1M50G2D | 87.40 dBW | COMMAND BEACON (TT&C) |
| | 17300.0000 - 17800.0000 MHz | 24M0G1W | 85.00 dBW | DIGITAL VIDEO, FEC 3/4, feederlink for DBS |
| | 12698.3500 - 12698.6500 MHz | 300KG2D | | TELEMETRY & TRACKING BEACON (TT&C) |
| | 12202.3500 - 12202.6500 MHz | 300KG2D | | TELEMETRY & TRACKING BEACON (TT&C) |
| | 12200.3500 - 12200.6500 MHz | 300KG2D | | TELEMETRY & TRACKING BEACON (TT&C) |
| | 12200.0000 - 12700.0000 MHz | 24M0G1W | | DIGITAL VIDEO, FEC 3/4 (DBS) |

Points of Communication:

- 1 - ECHOSTAR 10 - (110 W.L.)
- 1 - ECHOSTAR 2 - (119 W.L.)
- 1 - ECHOSTAR 2 - (148 W.L.)
- 1 - ECHOSTAR 3 - (61.5 W.L.)
- 1 - ECHOSTAR 4 - (157 W.L.)
- 1 - ECHOSTAR 4 - (77 W.L.)
- 1 - ECHOSTAR 5 - (129 W.L.)
- 1 - ECHOSTAR 6 - (110 W.L.)
- 1 - ECHOSTAR 7 - (119 W.L.)
- 1 - ECHOSTAR 8 - (110 W.L.)
- 1 - ECHOSTAR I - (148.0 W.L.)
- 1 - RAINBOW1 - (61.5 W.L.)

SES-MFS-20080325-00349 E E980180 EchoStar Corporation

Modification

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service, Other

EchoStar Corporation requests to modify its transmit/receive earth station license to add several DBS satellites as points of communication. No other changes are requested.

SITE ID: 1

LOCATION: 801 N. AMERICAN SKY BLVD., MARICOPA, GILBERT, AZ

33 ° 21 ' 56.50 " N LAT.

111 ° 48 ' 48.20 " W LONG.

ANTENNA ID: 1 13 meters VERTEX 13 KPK

17305.0000 - 17305.0000 MHz 900KF2D 72.80 dBW

17301.0000 - 17301.0000 MHz 900KF2D 72.80 dBW

17300.0000 - 17800.0000 MHz 26M0G7F 87.40 dBW

17300.0000 - 17800.0000 MHz 26M0G7D 87.40 dBW

12200.0000 - 12700.0000 MHz 26M0G7D

12200.0000 - 12700.0000 MHz 26M0G7D

Points of Communication:

1 - EHOSTAR 10 - (110 W.L.)

1 - EHOSTAR 2 - (148 W.L.)

1 - EHOSTAR 3 - (61.5 W.L.)

1 - EHOSTAR 4 - (77 W.L.)

1 - EHOSTAR 5 - (129 W.L.)

1 - EHOSTAR 6 - (110 W.L.)

1 - EHOSTAR 7 - (119 W.L.)

1 - EHOSTAR 8 - (110 W.L.)

1 - EHOSTAR I - (148.0 W.L.)

1 - RAINBOW1 - (61.5 W.L.)

SES-MFS-20080325-00352 E E4132 PanAmSat Licensee Corp.

Modification

Class of Station: Fixed Earth Stations

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

PanAmSat Licensee Corp. requests authority to modify its earth station to provide back-up TT&C services for the United Kingdom-licensed ICO-G1 satellite at 92.85 W.L.. Applicant incorporates by reference New ICO's waiver request of Section 25.202(g) of the Commission's rules in IBFS File No. SAT-MOD-20070919-00129, to permit use of C-band frequencies on a non-harmful interference basis for the limited purpose of conducting telemetry, tracking, and command (TT&C) operations during transfer orbit and contingency operations.

SITE ID: 1

LOCATION: 33 TELEGRAPH ROAD, VENTURA, FILLMORE, CA

34 ° 24 ' 22.00 " N LAT.

118 ° 53 ' 34.00 " W LONG.

| ANTENNA ID: | FF-1 | 10 meters | SCIENTIFIC ATLANTA | 3311 | |
|---------------------------|------|-----------|--------------------|-----------|--|
| 6666.5000 - 6666.5000 MHz | | | 750KG7D | 75.00 dBW | COMMAND CARRIER |
| 5925.0000 - 6425.0000 MHz | | | 36M0F8F | 76.00 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | | | 27M0F8F | 73.00 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | | | 64K0G7D | 55.40 dBW | DIGITAL DATA |
| 5925.0000 - 6425.0000 MHz | | | 54M0G7W | 76.00 dBW | DIGITAL VIDEO & DATA |
| 5925.0000 - 6425.0000 MHz | | | 3M00G7W | 67.50 dBW | DIGITAL VIDEO & DATA |
| 5925.0000 - 6425.0000 MHz | | | 750KF2D | 69.00 dBW | COMMAND CARRIER |
| 5925.0000 - 6425.0000 MHz | | | 5M00F9D | 69.00 dBW | COMMAND CARRIER |
| 3700.0000 - 4200.0000 MHz | | | 27M0F8F | | |
| 3700.0000 - 4200.0000 MHz | | | 64K0G7D | | |
| 3700.0000 - 4200.0000 MHz | | | 54M0G7W | | |
| 3700.0000 - 4200.0000 MHz | | | 3M00G7W | | |
| 3700.0000 - 4200.0000 MHz | | | 750KF2D | | |
| 3700.0000 - 4200.0000 MHz | | | 5M00F9D | | |
| 3700.0000 - 4200.0000 MHz | | | 82K0F3D | | |
| 3700.0000 - 4200.0000 MHz | | | 100KF0N | | |
| 3700.0000 - 4200.0000 MHz | | | 36M0F8F | | ANALOG |
| 3700.0000 - 3705.0000 MHz | | | 200KG7W | | TELEMETRY, RANGING AND TRACKING TRANSMISSION |
| 4195.0000 - 4200.0000 MHz | | | 200KG7W | | TELEMETRY, RANGING AND TRACKING TRANSMISSION |
| 5925.0000 - 5930.0000 MHz | | | 800KF2D | 72.01 dBW | COMMAND, RANGING AND TRACKING TRANSMISSION |

| | | | |
|---------------------------|---------|-----------|--|
| 6420.0000 - 6425.0000 MHz | 800KF2D | 72.01 dBW | COMMAND, RANGING AND TRACKING TRANSMISSION |
|---------------------------|---------|-----------|--|

Points of Communication:

1 - ALSAT - (ALSAT)

1 - ICO G1 - (92.85 W.L.)

SES-MOD-20071101-01496 E E980149 Telesat Network Services, Inc.

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Amendment filed to change license from a temporary-fixed earth station to a fixed transmit/receive earth station location in Mount Jackson, VA. See File No. SES-AMD-20080331-00392.

SITE ID: 1

LOCATION: 1305 INDUSTRIAL PARK ROAD, SHENANDOAH, MOUNT JACKSON, VA
 38 ° 43 ' 46.38 " N LAT. 78 ° 39 ' 28.50 " W LONG.

| | | | |
|-----------------------------|------------|-----------|--------------------------------------|
| ANTENNA ID: 1 | 3.8 meters | PRODELIN | 1383 |
| 14000.0000 - 14500.0000 MHz | 10M2G7W | 67.20 dBW | IBS |
| 14000.0000 - 14500.0000 MHz | 2M52G7W | 67.20 dBW | IBS |
| 11700.0000 - 12200.0000 MHz | 10M2G7W | | IBS |
| 11700.0000 - 12200.0000 MHz | 2M52G7W | | IBS |
| 11450.0000 - 11700.0000 MHz | 10M2G7W | | IBS |
| 11450.0000 - 11700.0000 MHz | 2M52G7W | | IBS |
| 10950.0000 - 11200.0000 MHz | 10M2G7W | | IBS |
| 10950.0000 - 11200.0000 MHz | 2M52G7W | | IBS |
| 11700.0000 - 12200.0000 MHz | 1M23G7W | | 1536 KBPS QPSK; TPC; 3/4 |
| 14000.0000 - 14500.0000 MHz | 1M64G7W | 68.62 dBW | 2048 KBPS QPSK; TPC; 3/4; SCPC |
| 11700.0000 - 12200.0000 MHz | 76K8G1W | | 27.584 KBPS; BPSK; TPC; 0.431; TDMA |
| 14000.0000 - 14500.0000 MHz | 76K8G7W | 68.62 dBW | 27.584 KBPS; BPSK; TPC; 0.431; TDMA |
| 14000.0000 - 14500.0000 MHz | 13M8G7W | 68.62 dBW | 30.325 MBPS; 8 PSK; 0.879; SCPC |
| 11700.0000 - 12200.0000 MHz | 3M45G1W | | 6.839625 MBPS BPSK; TPC; 0.793; TDMA |

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (335.5 E.L.)
- 1 - INTELSAT AOR - (342.0 E.L.)
- 1 - INTELSAT AOR - (359.0 E.L.)
- 1 - PAS-1R - (45.0 W.L.)
- 1 - PAS-3R - (43.0 W.L.)
- 1 - PAS-4 - (191.0 W.L.)
- 1 - TELSTAR 11 - (37.5 W.L.)

SES-MOD-20071101-01502 E E990081 Telesat Network Services, Inc.

Application for Modification

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

Amendment filed to change temporary-fixed earth station to fixed transmit/receive earth station. See File No. SES-AMD-20080331-00391.

SITE ID: 1

LOCATION: 1305 INDUSTRIAL PARK ROAD, SHENANDOAH, MOUNT JACKSON, VA
 38 ° 43 ' 48.11 " N LAT. 78 ° 39 ' 29.51 " W LONG.

| ANTENNA ID: | 1 | 4.5 meters | ANDREW CORP. | ESA45 |
|-----------------------------|---------|--|--|-------|
| 14000.0000 - 14500.0000 MHz | 9M83G7W | 73.70 dBW | VOICE, FACSIMILE AND DATA / IBS | |
| 14000.0000 - 14500.0000 MHz | 27M7G7W | 71.00 dBW | INFO RATE 31500 KHZ; QPSK; FEC 5/6; R-S; 188/204; DATA, FAX VIDEO: AND VOICE | |
| 14000.0000 - 14500.0000 MHz | 26M4G7W | 74.30 dBW | INFO RATE 26970 KHZ; QPSK; FEC 3/4; R-S; 188/204; DATA, FAX VIDEO: AND VOICE | |
| 11700.0000 - 12200.0000 MHz | 9M83G7W | VOICE, FACSIMILE AND DATA / IBS | | |
| 11700.0000 - 12200.0000 MHz | 26M4G7W | INFO RATE 26970 KHZ; QPSK; FEC 3/4; R-S; 188/204; DATA, FAX VIDEO: AND VOICE | | |
| 11450.0000 - 11700.0000 MHz | 9M83G7W | VOICE, FACSIMILE AND DATA / IBS | | |

| | | | |
|-----------------------------|---------|-----------|--|
| 11450.0000 - 11700.0000 MHz | 27M7G7W | | INFO RATE 31500 KHZ; QPSK; FEC 5/6; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |
| 10950.0000 - 11200.0000 MHz | 9M83G7W | | VOICE, FACSIMILE AND DATA / IBS |
| 10950.0000 - 11200.0000 MHz | 27M7G7W | | INFO RATE 31500 KHZ; QPSK; FEC 5/6; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |
| 10950.0000 - 11200.0000 MHz | 26M4G7W | | INFO RATE 26970 KHZ; QPSK; FEC 3/4; R-S; 188/204; DATA, FAX VIDEO: AND VOICE |
| 14000.0000 - 14500.0000 MHz | 2M83G7D | 63.20 dBW | 2900 KBPS; QPSK; FEC |
| 14000.0000 - 14500.0000 MHz | 26M3G7D | 74.30 dBW | 26970 KBPS; QPSK; FEC |
| 11700.0000 - 12200.0000 MHz | 2M83G7D | | 2900 KBPS; QPSK; FEC |
| 11700.0000 - 12200.0000 MHz | 26M3G7D | | 26970 KBPS; QPSK; FEC |

Points of Communication:

- 1 - ALSAT - (ALSAT)
- 1 - INTELSAT 805 - (304.5 E.L.)
- 1 - INTELSAT AOR - (307.0 E.L.)
- 1 - INTELSAT AOR - (310.0 E.L.)
- 1 - INTELSAT AOR - (325.5 E.L.)
- 1 - INTELSAT AOR - (328.5 E.L.)
- 1 - INTELSAT AOR - (330.5 E.L.)
- 1 - PAS-3R - (43.0 W.L.)
- 1 - PAS-4 - (191.0 W.L.)
- 1 - PAS-8B - (43 W.L.)
- 1 - SATMEX-5 - (116.8 W.L.)
- 1 - TELSTAR 11 - (37.5 W.L.)

SES-MOD-20080310-00261 E WB36 Vizada, Inc.

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Other

Vizada, Inc. requests authority to add up to 400 Seatel Model 6006 1.5 meter remote ESV antennas to its authorization to provide ESV service via its Southbury, CT.

SITE ID: SOUTHBURY
 LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT
 41 ° 27 ' 5.30 " N LAT. 73 ° 17 ' 19.40 " W LONG.

| ANTENNA ID: | 21-C-NORM | 12.8 meters | PHILCO FORD | 12.8M |
|-------------|---------------------------|-------------|-------------|--|
| | 6454.4000 - 6456.6000 MHz | 2M20G1D | 80.70 dBW | BPSK SPREAD SPECTRUM DATA (NAVIGATION) |
| | 6424.0000 - 6454.0000 MHz | NON | 62.00 dBW | UNMODULATED AFC PILOT (CLOSE LOOP) |
| | 6424.0000 - 6454.0000 MHz | 34K0F3E | 62.00 dBW | FM TELEPHONY COMPANDED AND UNCOMPANDED |
| | 6424.0000 - 6454.0000 MHz | 2K40G7D- | 51.10 dBW | BPSK, DATA/TDM |
| | 6424.0000 - 6454.0000 MHz | 132KG7D | 62.00 dBW | BPSK, DATA/TDM |
| | 6424.0000 - 6454.0000 MHz | 2K40G1D- | 51.10 dBW | BPSK, DATA |
| | 6424.0000 - 6454.0000 MHz | 2M20G1D | 62.00 dBW | BPSK, DATA |
| | 6424.0000 - 6454.0000 MHz | 5K60G1W | 54.80 dBW | QPSK, DATA/FAX |
| | 6424.0000 - 6454.0000 MHz | 24K0G1W | 61.10 dBW | QPSK, DATA/FAX |
| | 6424.0000 - 6454.0000 MHz | 5K60G1E- | 54.80 dBW | QPSK, TELEPHONY |
| | 6424.0000 - 6454.0000 MHz | 24K0G1E | 61.10 dBW | QPSK, TELEPHONY |
| | 6424.0000 - 6454.0000 MHz | 40K0G1W | 63.30 dBW | 16QAM DIGITAL TELEPHONY |
| | 6424.0000 - 6454.0000 MHz | 400KG1F | 62.00 dBW | QPSK, DIGITAL VIDEO/DATA |
| | 6424.0000 - 6454.0000 MHz | 27K0F3W | 62.00 dBW | FM9 ANALOG BROADCAST CARRIER |
| | 5927.0000 - 5927.0000 MHz | NON | 53.30 dBW | TT&C RANGING CARRIER |
| | 3947.0000 - 3953.0000 MHz | 131KG2D | | PCM/PSK/BI-PHASE TRACKING BEACON |
| | 3947.0000 - 3953.0000 MHz | 131KG2D | | PCM/PSK/BI-PHASE TRACKING BEACON |
| | 3700.0000 - 4200.0000 MHz | 36M0F8W | | TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE |
| | 3700.0000 - 4200.0000 MHz | 36M0F8W | | TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE |

| | | | | |
|---------------------------|-------------|-------------|--|---|
| 3600.0000 - 3629.0000 MHz | NON | | | UNMODULATED AFC PILOT (CLOSE LOOP) |
| 3600.0000 - 3629.0000 MHz | 34K0F3E | | | FM TELEPHONY COMPANDED AND UNCOMPANDED |
| 3600.0000 - 3629.0000 MHz | 2K40G7D- | | | BPSK, DATA/TDM |
| 3600.0000 - 3629.0000 MHz | 132KG7D | | | BPSK, DATA/TDM |
| 3600.0000 - 3629.0000 MHz | 2K40G1D- | | | BPSK, DATA |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | | | BPSK, DATA |
| 3600.0000 - 3629.0000 MHz | 5K60G1W- | | | QPSK, DATA/FAX |
| 3600.0000 - 3629.0000 MHz | 24K0G1W | | | QPSK, DATA/FAX |
| 3600.0000 - 3629.0000 MHz | 5K60G1E- | | | QPSK, TELEPHONY |
| 3600.0000 - 3629.0000 MHz | 24K0G1E | | | QPSK, TELEPHONY |
| 3600.0000 - 3629.0000 MHz | 40K0G1W | | | 16QAM, DIGITAL TELEPHONY |
| 3600.0000 - 3629.0000 MHz | 400KG1F | | | QPSK, DIGITAL VIDEO/DATA |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | | | BPSK SPREAD SPECTRUM DATA - NAVIGATION CLOSE LOOP |
| ANTENNA ID: 21-C-TT&C | 12.8 meters | PHILCO FORD | | 12.8M |
| 5925.0000 - 6425.0000 MHz | 36M0F8W | 86.50 dBW | | ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE |
| ANTENNA ID: 21- L-BAND | 12.8 meters | PHILCO FORD | | 12.8M |
| 1626.5000 - 1660.5000 MHz | NON | 40.50 dBW | | UNMODULATED AFC PILOT (CLOSE LOOP) |
| 1626.5000 - 1660.5000 MHz | 34K0F3E | 36.00 dBW | | TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED |
| 1626.5000 - 1660.5000 MHz | 2K40G7D- | 36.00 dBW | | TEST BPSK, DATA/TDM |
| 1626.5000 - 1660.5000 MHz | 132KG7D | 36.00 dBW | | TEST BPSK, DATA/TDM |
| 1626.5000 - 1660.5000 MHz | 2K40G1D- | 36.00 dBW | | TEST BPSK, DATA |
| 1626.5000 - 1660.5000 MHz | 2M20G1D | 36.00 dBW | | TEST BPSK, DATA |
| 1626.5000 - 1660.5000 MHz | 5K60G1W- | 36.00 dBW | | TEST QPSK, DATA/FAX |
| 1626.5000 - 1660.5000 MHz | 2K40G1W | 36.00 dBW | | TEST QPSK, DATA/FAX |

| | | | |
|---------------------------|-------------|-------------|--|
| 1626.5000 - 1660.5000 MHz | 5K60G1E- | 36.00 dBW | TEST QPSK, TELEPHONY |
| 1626.5000 - 1660.5000 MHz | 24K0G1E | 36.00 dBW | TEST QPSK, TELEPHONY |
| 1626.5000 - 1660.5000 MHz | 40K0G1W | 48.20 dBW | TEST 16QAM DIGITAL TELEPHONY |
| 1626.5000 - 1660.5000 MHz | 400KG1F | 36.00 dBW | TEST QPSK DIGITAL VIDEO/DATA |
| 1574.4000 - 1576.6000 MHz | 2M20G1D | | TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP |
| 1525.0000 - 1559.0000 MHz | NON | | UNMODULATED AFC PILOT (CLOSE LOOP) |
| 1525.0000 - 1559.0000 MHz | 34K0F3E | | TEST FM, TELEPHONY COMPANDED OR UNCOMPANDED |
| 1525.0000 - 1559.0000 MHz | 2K40G7D- | | TEST BPSK, DATA/TDM |
| 1525.0000 - 1559.0000 MHz | 132KG7D | | TEST BPSK, DATA/TDM |
| 1525.0000 - 1559.0000 MHz | 2K40G1D- | | TEST BPSK, DATA |
| 1525.0000 - 1559.0000 MHz | 2M20G1D | | TEST BPSK, DATA |
| 1525.0000 - 1559.0000 MHz | 5K60G1W- | | TEST QPSK, DATA/FAX |
| 1525.0000 - 1559.0000 MHz | 2K40G1W | | TEST QPSK, DATA/FAX |
| 1525.0000 - 1559.0000 MHz | 5K60G1E- | | TEST QPSK, TELEPHONY |
| 1525.0000 - 1559.0000 MHz | 24K0G1E | | TEST QPSK, TELEPHONY |
| 1525.0000 - 1559.0000 MHz | 40K0G1W | | TEST 16QAM DIGITAL TELEPHONY |
| 1525.0000 - 1559.0000 MHz | 400KG1F | | TEST QPSK DIGITAL VIDEO/DATA |
| 1525.0000 - 1559.0000 MHz | 2M20G1D | | TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP |
| ANTENNA ID: 23A-C-NOR | 10.4 meters | PHILCO FORD | 10.4M |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 73.50 dBW | BPSK SPREAD SPECTRUM DATA (NAVIGATION) |
| 6424.0000 - 6454.0000 MHz | NON | 59.50 dBW | UNMODULATED AFC PILOT |
| 6424.0000 - 6454.0000 MHz | 34K0F3E | 59.50 dBW | FM TELEPHONY COMPANDED AND UNCOMPANDED |
| 6424.0000 - 6454.0000 MHz | 2K40G7D- | 48.60 dBW | BPSK, DATA/TDM |
| 6424.0000 - 6454.0000 MHz | 132KG7D | 59.50 dBW | BPSK, DATA/TDM |

| | | | |
|---------------------------|----------|-----------|--|
| 6424.0000 - 6454.0000 MHz | 2K40G1D- | 48.60 dBW | BPSK, DATA |
| 6424.0000 - 6454.0000 MHz | 2M20G1D | 71.70 dBW | BPSK, DATA |
| 6424.0000 - 6454.0000 MHz | 5K60G1W- | 52.30 dBW | QPSK, DATA/FAX |
| 6424.0000 - 6454.0000 MHz | 24K0G1W | 58.60 dBW | QPSK, DATA/FAX |
| 6424.0000 - 6454.0000 MHz | 5K60G1E- | 52.30 dBW | QPSK, TELEPHONY |
| 6424.0000 - 6454.0000 MHz | 24K0G1E | 58.60 dBW | QPSK, TELEPHONY |
| 6424.0000 - 6454.0000 MHz | 40K0G1W | 60.80 dBW | 16QAM DIGITAL TELEPHONY |
| 6424.0000 - 6454.0000 MHz | 400KG1F | 59.50 dBW | QPSK, DIGITAL VIDEO/DATA |
| 6424.0000 - 6454.0000 MHz | 27K0F3W | 59.50 dBW | FM9 ANALOG BROADCAST CARRIER |
| 5927.0000 - 5927.0000 MHz | NON | 50.80 dBW | TT&C RANGING CARRIER |
| 3947.0000 - 3953.0000 MHz | 131KG2D | | PCM/PSK/BI-PHASE TRACKING BEACON |
| 3700.0000 - 4200.0000 MHz | 36M0F8W | | TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE |
| 3600.0000 - 3629.0000 MHz | NON | | UNMODULATED AFC PILOT |
| 3600.0000 - 3629.0000 MHz | 34K0F3E | | FM TELEPHONY COMPANDED ANAD UNCOMPANDED |
| 3600.0000 - 3629.0000 MHz | 2K40G7D- | | BPSK, DATA/TDM |
| 3600.0000 - 3629.0000 MHz | 132KG7D | | BPSK, DATA/TDM |
| 3600.0000 - 3629.0000 MHz | 2K40G1D- | | BPSK, DATA |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | | BPSK, DATA |
| 3600.0000 - 3629.0000 MHz | 5K60G1W- | | QPSK, DATA/FAX |
| 3600.0000 - 3629.0000 MHz | 24K0G1W | | QPSK, DATA/FAX |
| 3600.0000 - 3629.0000 MHz | 5K60G1E- | | QPSK, TELEPHONY |
| 3600.0000 - 3629.0000 MHz | 24K0G1E | | QPSK, TELEPHONY |
| 3600.0000 - 3629.0000 MHz | 40K0G1W | | 16QAM DIGITAL TELEPHONY |
| 3600.0000 - 3629.0000 MHz | 400KG1F | | QPSK, DIGITAL VIDEO/DATA |

| | | | | |
|-----------------------------|-------------|-------------|--|--|
| 3600.0000 - 3629.0000 MHz | 2M20G1D | | | BPSK SPREAD SPECTRUM DATA (NAVIGATION) |
| ANTENNA ID: 23A-C-TT&C | 10.4 meters | PHILCO FORD | | 104.M |
| 5925.0000 - 6425.0000 MHz | 36M0F8W | 86.50 dBW | | TEST ANALOG CARRIER TO MONITOR TRANSPONDER PERFORMANCE |
| ANTENNA ID: 23B-L-BAND | 1.8 meters | TRUE FOCUS | | 1.8M |
| 1626.5000 - 1660.5000 MHz | NON | 27.20 dBW | | UNMODULATED AFC PILOT (CLOSE LOOP) |
| 1574.4000 - 1576.6000 MHz | 2M20G1D | | | TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP |
| 1525.0000 - 1559.0000 MHz | NON | | | UNMODULATED AFC PILOT |
| 1525.0000 - 1559.0000 MHz | 34K0F3E | | | TEST FM TELEPHONY COMPANDED AND UNCOMPANDED |
| 1525.0000 - 1559.0000 MHz | 2K40G7D- | | | TEST BPSK, DATA/TDM |
| 1525.0000 - 1559.0000 MHz | 132KG7D | | | TEST BPSK, DATA/TDM |
| 1525.0000 - 1559.0000 MHz | 2K40G1D- | | | TEST BPSK, DATA |
| 1525.0000 - 1559.0000 MHz | 2M20G1D | | | TEST BPSK, DATA |
| 1525.0000 - 1559.0000 MHz | 5K60G1W- | | | TEST QPSK, DATA/FAX |
| 1525.0000 - 1559.0000 MHz | 24K0G1W | | | TEST QPSK, DATA/FAX |
| 1525.0000 - 1559.0000 MHz | 5K60G1E- | | | TEST QPSK, TELEPHONY |
| 1525.0000 - 1559.0000 MHz | 24K0G1E | | | TEST QPSK, TELEPHONY |
| 1525.0000 - 1559.0000 MHz | 40K0G1W | | | TEST 16QAM DIGITAL TELEPHONY |
| 1525.0000 - 1559.0000 MHz | 400KG1F | | | TEST QPSK, DIGITAL VIDEO/DATA |
| 1525.0000 - 1559.0000 MHz | 2M20G1D | | | TEST BPSK SPREAD SPECTRUM DATA - CLOSE LOOP |
| ANTENNA ID: SBY 30 | 9 meters | VERTEX | | 9KPK |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 72.00 dBW | | QPSK, DIGITAL TELEPHONY |
| 14000.0000 - 14500.0000 MHz | 72M0G7W | 88.55 dBW | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 42M0G7W | 86.31 dBW | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 36M0F8W | 80.14 dBW | | ANALOG VIDEO |

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|-----------------------------|---------|-----------|-------------------------------------|
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 77.23 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 20M0G7W | 83.08 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 2M29G7W | 73.67 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 1M60G1F | 72.12 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 800KG1F | 69.11 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 400KG1F | 66.10 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 200KG1F | 63.08 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 100KG7W | 60.07 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 76K8G7W | 58.93 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 43K8G7W | 56.49 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 45K0G7W | 56.61 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 32K0G7W | 55.13 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 9K00G7W | 49.62 dBW | QPSK DIGITAL DATA |
| 13780.0000 - 14500.0000 MHz | 10M0G7W | 80.10 dBW | DIGITAL VIDEO, AUDIO AND DATA |
| 13780.0000 - 14500.0000 MHz | 64K0G7W | 58.10 dBW | DIGITAL VIDEO, AUDIO AND DATA |
| 13750.0000 - 14000.0000 MHz | 36M0G7W | 74.50 dBW | QPSK, DIGITAL TELEPHONY |
| 13750.0000 - 13770.0000 MHz | 10M0G7W | 80.10 dBW | DIGITAL VIDEO, AUDIO AND DATA |
| 13750.0000 - 13770.0000 MHz | 64K0G7W | 58.10 dBW | DIGITAL VIDEO, AUDIO AND DATA |
| 11700.0000 - 12200.0000 MHz | 10M0G7W | | DIGITAL VIDEO, AUDIO AND DATA |
| 11700.0000 - 12200.0000 MHz | 64K0G7W | | DIGITAL VIDEO, AUDIO AND DATA |
| 11450.0000 - 11700.0000 MHz | 36M0G7W | | QPSK, DIGITAL TELEPHONY |
| 11450.0000 - 11700.0000 MHz | 72M0G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 42M0G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 36M0F8W | | ANALOG VIDEO |
| 11450.0000 - 11700.0000 MHz | 36M0G7W | | QPSK DIGITAL DATA |

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|-----------------------------|----------|-----------|-------------------------------------|
| 11450.0000 - 11700.0000 MHz | 20M0G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 2M29G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 1M60G1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11450.0000 - 11700.0000 MHz | 800KG1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11450.0000 - 11700.0000 MHz | 400KG1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11450.0000 - 11700.0000 MHz | 200KG1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11450.0000 - 11700.0000 MHz | 100KG7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 76K8G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 43K8G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 45K0G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 32K0G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 9K00G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 10M0G7W | | DIGITAL VIDEO, AUDIO AND DATA |
| 11450.0000 - 11700.0000 MHz | 64K0G7W | | DIGITAL VIDEO, AUDIO AND DATA |
| 10700.0000 - 12750.0000 MHz | 36M0G7W | | QPSK, DIGITAL TELEPHONY |
| ANTENNA ID: KU-BAND | 9 meters | VERTEX | 9KPK |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 72.00 dBW | QPSK, DIGITAL TELEPHONY |
| 11450.0000 - 11700.0000 MHz | 36M0G7W | | QPSK, DIGITAL TELEPHONY |
| 14000.0000 - 14500.0000 MHz | 72M0G7W | 88.55 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 42M0G7W | 86.31 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 72M0G7W | | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 42M0G7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 36M0F8W | 80.14 dBW | ANALOG VIDEO |
| 11450.0000 - 11700.0000 MHz | 36M0F8W | | ANALOG VIDEO |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 77.23 dBW | QPSK DIGITAL DATA |

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|-----------------------------|---------|-----------|-------------------------------------|
| 11450.0000 - 11700.0000 MHz | 36M0G7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 20M0G7W | 83.08 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 20M0G7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 2M29G7W | 73.67 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 2M29G7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 1M60G1F | 72.12 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11450.0000 - 11700.0000 MHz | 1M60G1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 800KG1F | 69.11 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11450.0000 - 11700.0000 MHz | 800KG1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11450.0000 - 11700.0000 MHz | 400KG1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 200KG1F | 63.08 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11450.0000 - 11700.0000 MHz | 200KG1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 100KG7W | 60.07 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 100KG7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 76K8G7W | 58.93 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 76K8G7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 43K8G7W | 56.49 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 43K8G7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 45K0G7W | 56.61 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 45K0G7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 32K0G7W | 55.13 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 32K0G7W | | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 9K00G7W | 49.62 dBW | QPSK DIGITAL DATA |
| 11450.0000 - 11700.0000 MHz | 9K00G7W | | QPSK DIGITAL DATA |

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|-----------------------------|---------|-----------|-------------------------|
| 13750.0000 - 14500.0000 MHz | 36M0G7W | 88.55 dBW | QPSK, DIGITAL TELEPHONY |
| 11700.0000 - 12200.0000 MHz | 100KG7W | | |
| 11700.0000 - 12200.0000 MHz | 1M60G7W | | |
| 11700.0000 - 12200.0000 MHz | 200KG1F | | |
| 11700.0000 - 12200.0000 MHz | 20M0G7W | | |
| 11700.0000 - 12200.0000 MHz | 2M29G7W | | |
| 11700.0000 - 12200.0000 MHz | 32K0G7W | | |
| 11700.0000 - 12200.0000 MHz | 36M0G8W | | |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | |
| 11700.0000 - 12200.0000 MHz | 400KG1F | | |
| 11700.0000 - 12200.0000 MHz | 42M0G7W | | |
| 11700.0000 - 12200.0000 MHz | 43K8G7W | | |
| 11700.0000 - 12200.0000 MHz | 45K0G7W | | |
| 11700.0000 - 12200.0000 MHz | 72M0G7W | | |
| 11700.0000 - 12200.0000 MHz | 76K8G7W | | |
| 11700.0000 - 12200.0000 MHz | 9K00G7W | | |
| 14000.0000 - 14500.0000 MHz | 36M0F8W | 80.14 dBW | ANALOG VIDEO |
| 14000.0000 - 14500.0000 MHz | 100KG7W | 60.07 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 20M0G7W | 83.08 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 2M29G7W | 73.67 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 32K0G7W | 55.13 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 85.64 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 42M0G7W | 86.31 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 43K8G7W | 56.49 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 45K0G7W | 56.61 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 72M0G7W | 88.55 dBW | QPSK DIGITAL DATA |

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|-----------------------------|---------|-----------|-------------------------------------|
| 14000.0000 - 14500.0000 MHz | 76K8G7W | 58.93 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 9K00G7W | 49.62 dBW | QPSK DIGITAL DATA |
| 14000.0000 - 14500.0000 MHz | 1M60G1F | 72.12 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 200KG1F | 63.08 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 400KG1F | 66.10 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 14000.0000 - 14500.0000 MHz | 800KG1F | 69.11 dBW | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |
| 11700.0000 - 12200.0000 MHz | 800KG1F | | PSK DIGITAL VIDEO W/ASSOC DIG AUDIO |

SITE ID: Ku-Band ESV Remotes
LOCATION: Operate Up to 400 (1.5 m remotes) U.S. and International waters

ANTENNA ID: SeaTel6006 1.5 meters SEATEL 6006

| | | | |
|-----------------------------|---------|-----------|-------------------------------------|
| 10950.0000 - 11200.0000 MHz | 1M43G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 2M35G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 1M43G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 2M35G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 1M43G1W | 55.00 dBW | SCPC USING QPSK AND BPSK MODULATION |

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|-----------------------------|---------|-----------|---|
| 14000.0000 - 14500.0000 MHz | 2M35G1W | 57.20 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 44K8G1W | 40.00 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 717KG1W | 52.00 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 89K6G1W | 43.00 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 54M0G7W | | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 10950.0000 - 11200.0000 MHz | 81K0G7W | | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 11450.0000 - 12200.0000 MHz | 54M0G7W | | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 11450.0000 - 12200.0000 MHz | 81K0G7W | | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 14000.0000 - 14500.0000 MHz | 151KG7W | 45.30 dBW | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 14000.0000 - 14500.0000 MHz | 194KG7W | 46.40 dBW | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 14000.0000 - 14500.0000 MHz | 291KG7W | 48.10 dBW | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 14000.0000 - 14500.0000 MHz | 388KG7W | 49.10 dBW | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 14000.0000 - 14500.0000 MHz | 445KG7W | 49.10 dBW | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 14000.0000 - 14500.0000 MHz | 452KG7W | 49.10 dBW | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 14000.0000 - 14500.0000 MHz | 81K0G7W | 42.50 dBW | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |
| 14000.0000 - 14500.0000 MHz | 97K0G7W | 43.40 dBW | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATIONS |

SITE ID: SOUTHBURY-KU
LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 5.00 " N LAT. 73 ° 17 ' 19.00 " W LONG.

Points of Communication:

Ku-Band ESV Remotes - ALSAT - (ALSAT)

Ku-Band ESV Remotes - ESTRELA DO SUL 1 - (63 W.L.)

SOUTHBURY - ALSAT - (ALSAT)
 SOUTHBURY - AMAZONAS 1 - (61 W.L.)
 SOUTHBURY - AMOS-2 - (4.0 W.L.)
 SOUTHBURY - ESTRELA DO SUL 1 - (63 W.L.)
 SOUTHBURY - INMARSAT 4F2 - (52.75)
 SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.)
 SOUTHBURY - INMARSAT Ltd-3 - (54 W.L.)
 SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.)
 SOUTHBURY - MARISAT-F2 - (33.9 W.L.)
 SOUTHBURY-KU - ALSAT - (ALSAT)
 SOUTHBURY-KU - AMOS-2 - (4.0 W.L.)

SES-MOD-20080310-00263 E E030253 CapRock Communications, Inc.

Application for Modification

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

Modification application filed to correct the antenna diameter from 8.1 to 9.0 meter.

SITE ID: 1

LOCATION: 4400 SOUTH SAM HOUSTON PKWY. E., HARRIS, HOUSTON, TX
 29 ° 35 ' 54.00 " N LAT. 95 ° 20 ' 50.00 " W LONG.

| ANTENNA ID: | 1 | 9.3 meters | VERTEX | 9.3 KPK |
|-------------|-----------------------------|------------|-----------|----------------------|
| | 14000.0000 - 14500.0000 MHz | 1M85G7D | 73.45 dBW | DIGITAL DATA CARRIER |
| | 14000.0000 - 14500.0000 MHz | 200KG7D | 63.78 dBW | DIGITAL DATA CARRIER |
| | 14000.0000 - 14500.0000 MHz | 1M92G7D | 57.60 dBW | DIGITAL |
| | 14000.0000 - 14500.0000 MHz | 3M85G7D | 60.60 dBW | DIGITAL |
| | 14000.0000 - 14500.0000 MHz | 5M76G7D | 62.40 dBW | DIGITAL |
| | 14000.0000 - 14500.0000 MHz | 7M68G7D | 63.60 dBW | DIGITAL |
| | 14000.0000 - 14500.0000 MHz | 8M67G7D | 64.50 dBW | DIGITAL |
| | 11700.0000 - 12200.0000 MHz | 100KG7D | | DIGITAL |
| | 11700.0000 - 12200.0000 MHz | 150KG7D | | DIGITAL |
| | 11700.0000 - 12200.0000 MHz | 1M17G7D | | DIGITAL |

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|-----------------------------|------------|-----------|--|
| 11700.0000 - 12200.0000 MHz | 200KG7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 300KG7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 390KG7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 50K0K7D | | DIGITAL |
| 11700.0000 - 12200.0000 MHz | 780KG7D | | DIGITAL |
| 11450.0000 - 12200.0000 MHz | 1M85G7D | | DIGITAL DATA CARRIER |
| 11450.0000 - 12200.0000 MHz | 200KG7D | | DIGITAL DATA CARRIER |
| 10950.0000 - 11200.0000 MHz | 1M85G7D | | DIGITAL DATA CARRIER |
| 10950.0000 - 11200.0000 MHz | 200KG7D | | DIGITAL DATA CARRIER |
| ANTENNA ID: 2 | 4.5 meters | ANDREW | ESA45-46A |
| 5925.0000 - 6425.0000 MHz | 1M85G7D | 68.95 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 200KG7D | 59.28 dBW | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 1M85G7D | | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 200KG7D | | DIGITAL DATA CARRIER |
| ANTENNA ID: 3 | 8.1 meters | VERTEX | 8.1 KPC |
| 5925.0000 - 6425.0000 MHz | 1M85G7D | 77.05 dBW | DIGITAL DATA CARRIER |
| 5925.0000 - 6425.0000 MHz | 200KG7D | 67.40 dBW | DIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 1M85G7D | | DIGITAL DATA CARRIERDIGITAL DATA CARRIER |
| 3700.0000 - 4200.0000 MHz | 200KG7D | | DIGITAL DATA CARRIER |
| ANTENNA ID: 4 | 9 meters | VERTEX | 9.0 CASSEGRAIN |
| 5925.0000 - 6425.0000 MHz | 7M16G7W | 70.80 dBW | DIGITAL |
| 3700.0000 - 4200.0000 MHz | 7M16G7W | | DIGITAL |

Points of Communication:

1 - ALSAT - (ALSAT)

1 - INTELSAT 707 - (53 W.L.)

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

SES-MOD-20080409-00444 E E930320 Vizada, Inc.
 Application for Modification

Class of Station: Earth Stations on-board Vessels/VSAT

Nature of Service: Fixed Satellite Service

Vizada, Inc. filed a modification application to requests authority to add up to 350 SeaTel model 6006 1.5 meter remote ESV antennas to its authorization to provide ESV service via its Santa Paula, CA teleport.

SITE ID: Hub (4.5m)

LOCATION: 7676 PINE GROVE ROAD, VENTURA, SANTA PAULA, CA
 34 ° 24 ' 5.00 " N LAT. 119 ° 4 ' 26.00 " W LONG.

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

SITE ID: REMOTE-1 ESV

LOCATION: 250 (1.0 m antennas), CONUS

| ANTENNA ID: | ESV-4003A | 1 meters | SEATEL | 4003A | |
|-------------|-----------------------------|----------|---------|-----------|---|
| | 14000.0000 - 14500.0000 MHz | | 44K8G1W | 34.40 dBW | SCPC USING QPSK AND BPSK MODULATION |
| | 14000.0000 - 14500.0000 MHz | | 538KG1W | 45.20 dBW | SCPC USING QPSK AND BPSK MODULATION |
| | 14000.0000 - 14500.0000 MHz | | 89K6G1W | 37.40 dBW | SCPC USING QPSK AND BPSK MODULATION |
| | 14000.0000 - 14500.0000 MHz | | 227KG7W | 41.50 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| | 14000.0000 - 14500.0000 MHz | | 340KG7W | 43.20 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| | 14000.0000 - 14500.0000 MHz | | 378KG7W | 43.60 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| | 14000.0000 - 14500.0000 MHz | | 454KG7W | 44.50 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| | 14000.0000 - 14500.0000 MHz | | 908KG7W | 45.80 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |

| | | | |
|-----------------------------|---------|-----------|---|
| 14000.0000 - 14500.0000 MHz | 1M40G7W | 45.80 dBW | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 316KG7W | 42.80 dBW | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 607KG7W | 45.70 dBW | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 11450.0000 - 112200.000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 151KG7W | | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 54M0G7W | | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 2M60G7W | | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 54M0G7W | | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 54M0G7W | | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 151KG7W | | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 2M60G7W | | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 54M0G7W | | DVB/MFTDMA USING QPSK AND BPSK MODULATION |

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

ANTENNA ID: ESV-4006 1 meters SEATEL 4006

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|-----------------------------|---------|-----------|---|
| 14000.0000 - 14500.0000 MHz | 44K8G1W | 34.40 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 717KG1W | 46.40 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 89K6G1W | 37.40 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 227KG7W | 41.50 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 340KG7W | 43.20 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 378KG7W | 43.60 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 454KG7W | 44.50 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 908KG7W | 47.40 dBW | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 1M40G7W | 47.40 dBW | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 316KG7W | 43.80 dBW | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 607KG7W | 45.70 dBW | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 151KG7W | | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 54M0G7W | | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 2M60G7W | | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 54M0G7W | | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |

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|-----------------------------|---------|---|
| 10950.0000 - 11200.0000 MHz | 717KG1W | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 89K6G1W | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 151KG7W | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 54M0G7W | TDM/TDMA USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 2M60G7W | DVB/MFTDMA USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 54M0G7W | DVB/MFTDMA USING QPSK AND BPSK MODULATION |

SITE ID: REMOTE-3 ESV
LOCATION: 50 (1.2 m antennas), CONUS

ANTENNA ID: ESV-4996T 1.2 meters SEATEL 4996T

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| 14000.0000 - 14500.0000 MHz | 1M43G1W | 51.10 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 44K8G1W | 36.10 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 717KG1W | 48.10 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 89K6G1W | 39.10 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 1M43G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 1M43G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |

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|---------------------------------------|------------|-----------|--|
| 10950.0000 - 11200.0000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| SITE ID: REMOTE-4 ESV | | | |
| LOCATION: 350 (1.5 m antennas), CONUS | | | |
| ANTENNA ID: ESV-6006 | 1.5 meters | SEATEL | 6006 |
| 10950.0000 - 11200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 1M43G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 2M35G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 1M43G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 2M35G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 44K8G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 717KG1W | | SCPC USING QPSK AND BPSK MODULATION |
| 11450.0000 - 12200.0000 MHz | 89K6G1W | | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 1M43G1W | 55.00 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 2M35G1W | 57.20 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 44K8G1W | 40.00 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 717KG1W | 52.00 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 14000.0000 - 14500.0000 MHz | 89K6G1W | 43.00 dBW | SCPC USING QPSK AND BPSK MODULATION |
| 10950.0000 - 11200.0000 MHz | 36M0G7W | | SCPC AND TDM/TDMA USING QPSK AND BPSK MODULATION |

| | | |
|---------------------------|---------|--------------------------------|
| 3700.0000 - 4200.0000 MHz | 36M0G7W | Digital traffic, digital video |
| 3700.0000 - 4200.0000 MHz | 36M0F3F | Standard analog Video |

Points of Communication:

5M - PERMITTED LIST - ()

Queue Report

SES-MFS-20080314-00306 E860175 PanAmSat Licensee Corp.

PanAmSat Licensee Corp. requests authority to modify its earth station to provide back-up TT&C services for the United Kingdom-licensed ICO-G1 satellite at 92.85 W.L.. Applicant incorporates by reference New ICO's waiver request of Section 25.202(g) of the Commission's rules in IBFS File No. SAT-MOD-20070919-00129, to permit use of C-band frequencies on a non-harmful interference basis for the limited purpose of conducting telemetry, tracking, and command (TT&C) operations during transfer orbit and contingency operations.

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