



PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
445 12th STREET S.W.
WASHINGTON D.C. 20554

News media information 202-418-0500
Fax-On-Demand 202-418-2830; Internet: <http://www.fcc.gov> (or <ftp.fcc.gov>)
TTY (202) 418-2555

Report No. SES-01021

Wednesday April 2, 2008

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-AMD-20050922-01313 E E050249 Stratos Communications, Inc.
Amendment
Grant of Authority Date Effective: 04/01/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: N/A - Multiple

LOCATION:

ANTENNA ID: 1 0.35 meters Hughes Network Systems HNS Briefcase

1626.5000 - 1660.5000 MHz 50K0D7W 21.00 dBW

1626.5000 - 1660.5000 MHz 200KD7W 21.00 dBW Null

1525.0000 - 1559.0000 MHz 12K5G7W

1525.0000 - 1559.0000 MHz 50K0D7W

1525.0000 - 1559.0000 MHz 200KD7W

ANTENNA ID: 2 0.21 meters Thrane and Thrane T&T Lite

1626.5000 - 1660.5000 MHz 200KD7W 16.10 dBW

1625.5000 - 1660.5000 MHz 50K0D7W 16.10 dBW

1525.0000 - 1559.0000 MHz 12K5G7W

1525.0000 - 1559.0000 MHz 50K0D7W

1525.0000 - 1559.0000 MHz 200KD7W

| | | | | |
|-------------|---------------------------|------------|-----------|---------------|
| ANTENNA ID: | 4 | 0.2 meters | Add Value | Add Value PUT |
| | 1626.5000 - 1660.5000 MHz | | 25K0G7W | 11.00 dBW |
| | 1626.5000 - 1660.5000 MHz | | 200KG7W | 11.00 dBW |
| | 1525.0000 - 1559.0000 MHz | | 12K5G7W | |
| | 1525.0000 - 1559.0000 MHz | | 50K0G7W | |
| | 1525.0000 - 1559.0000 MHz | | 200KG7W | |

| | | | | |
|-------------|---------------------------|--------------|---------|-----------|
| ANTENNA ID: | 3 | 0.125 meters | NERA | NERA PUT |
| | 1626.5000 - 1660.5000 MHz | | 25K0G7W | 11.00 dBW |
| | 1626.5000 - 1660.5000 MHz | | 200KG7W | 11.00 dBW |
| | 1525.0000 - 1559.0000 MHz | | 12K5G7W | |
| | 1525.0000 - 1559.0000 MHz | | 50K0G7W | |
| | 1525.0000 - 1559.0000 MHz | | 200KG7W | |

Points of Communication:

SES-AMD-20051117-01590 E E050249 Stratos Communications, Inc.
 Amendment
 Grant of Authority

Date Effective: 04/01/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: Multiple

LOCATION: CONUS 20,000 (0.35 meter terminals)

| | | | | |
|-------------|---------------------------|-------------|------------------------|---------------|
| ANTENNA ID: | 1 | 0.35 meters | Hughes Network Systems | HNS Briefcase |
| | 1626.5000 - 1660.5000 MHz | | 50K0D7W | 21.00 dBW |
| | 1626.5000 - 1660.5000 MHz | | 200KD7W | 21.00 dBW |
| | 1525.0000 - 1559.0000 MHz | | 12K5G7W | |
| | 1525.0000 - 1559.0000 MHz | | 50K0D7W | |
| | 1525.0000 - 1559.0000 MHz | | 200KD7W | |

| | | | | |
|-------------|---------------------------|-------------|-------------------|-----------|
| ANTENNA ID: | 2 | 0.21 meters | Thrane and Thrane | T&T Lite |
| | 1626.5000 - 1660.5000 MHz | | 50K0D7W | 16.10 dBW |

| | | | | |
|---------------------------------|-------------------------------------|------------------------------|-----------------|---------------|
| 1626.5000 - 1660.5000 MHz | 200KD7W | 16.10 dBW | | |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | | |
| 1525.0000 - 1559.0000 MHz | 50K0D7W | | | |
| 1525.0000 - 1559.0000 MHz | 200KD7W | | | |
| ANTENNA ID: 4 | 0.2 meters | Add Value | | Add Value PUT |
| 1626.5000 - 1660.5000 MHz | 25K0G7W | 11.00 dBW | | |
| 1626.5000 - 1660.5000 MHz | 200KG7W | 11.00 dBW | | |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | | |
| 1525.0000 - 1559.0000 MHz | 50K0G7W | | | |
| 1525.0000 - 1559.0000 MHz | 200KG7W | | | |
| ANTENNA ID: 3 | 0.125 meters | NERA | | NERA PUT |
| 1626.5000 - 1660.5000 MHz | 25K0G7W | 11.00 dBW | | |
| 1626.5000 - 1660.5000 MHz | 200KG7W | 11.00 dBW | | |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | | |
| 1525.0000 - 1559.0000 MHz | 50K0G7W | | | |
| 1525.0000 - 1559.0000 MHz | 200KG7W | | | |
| Points of Communication: | | | | |
| <hr/> | | | | |
| SES-AMD-20060608-00956 | E E050249 | Stratos Communications, Inc. | | |
| Amendment | | | | |
| Grant of Authority | | | Date Effective: | 04/01/2008 |
| Class of Station: | Mobile Earth Station | | | |
| Nature of Service: | Mobile Satellite Service | | | |
| SITE ID: | Multiple | | | |
| LOCATION: | CONUS 20,000 (0.35 meter terminals) | | | |
| ANTENNA ID: 1 | 0.35 meters | Hughes Network Systems | | HNS Briefcase |
| 1626.5000 - 1660.5000 MHz | 50K0D7W | 21.00 dBW | | |
| 1626.5000 - 1660.5000 MHz | 200KD7W | 21.00 dBW | | |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | | |
| Page 3 of 94 | | | | |

| | | | |
|---------------------------|--------------|-------------------|---------------|
| 1525.0000 - 1559.0000 MHz | 50K0D7W | | |
| 1525.0000 - 1559.0000 MHz | 200KD7W | | |
| ANTENNA ID: 2 | 0.21 meters | Thrane and Thrane | T&T Lite |
| 1626.5000 - 1660.5000 MHz | 50K0D7W | 16.10 dBW | |
| 1626.5000 - 1660.5000 MHz | 200KD7W | 16.10 dBW | |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | |
| 1525.0000 - 1559.0000 MHz | 50K0D7W | | |
| 1525.0000 - 1559.0000 MHz | 200KD7W | | |
| ANTENNA ID: 4 | 0.2 meters | Add Value | Add Value PUT |
| 1626.5000 - 1660.5000 MHz | 25K0G7W | 11.00 dBW | |
| 1626.5000 - 1660.5000 MHz | 200KG7W | 11.00 dBW | |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | |
| 1525.0000 - 1559.0000 MHz | 50K0G7W | | |
| 1525.0000 - 1559.0000 MHz | 200KG7W | | |
| ANTENNA ID: 3 | 0.125 meters | NERA | NERA PUT |
| 1626.5000 - 1660.5000 MHz | 25K0G7W | 11.00 dBW | |
| 1626.5000 - 1660.5000 MHz | 200KG7W | 11.00 dBW | |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | |
| 1525.0000 - 1559.0000 MHz | 50K0G7W | | |
| 1525.0000 - 1559.0000 MHz | 200KG7W | | |

Points of Communication:

Multiple - INMARSAT 4F2 - (52.75)

SES-AMD-20061221-02210 E E020074 SATAMATICS, INC.

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 25,000 INMARSAT D+ half duplex METs throughout in U.S.

| | | | | |
|-------------|---------------------------|-------------|---|---|
| ANTENNA ID: | 4 | 0.11 meters | SATAMATICS | SAT-201 |
| | 1626.5000 - 1645.5000 MHz | | 2K50F1D 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | | 2K50F1D | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: | 1 | 0.11 meters | JRC (Size of MET: 121mm x 121mm x 41mm) | JUE-610 DT |
| | 1626.5000 - 1645.5000 MHz | | 2K50F1D 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | | 2K50F1D | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: | 2 | 0.11 meters | SKYWAVE | DMR-200 |
| | 1626.5000 - 1645.5000 MHz | | 2K50F1D 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | | 2K50F1D | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: | 3 | 0.11 meters | SATAMATICS | SAT-101 |
| | 1626.5000 - 1645.5000 MHz | | 2K50F1D 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | | 2K50F1D | 2 level FSK, 256Hz tone spacing, symbol rates |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)
1 - INMARSAT Ltd-3 - (15.5 W.L.)
1 - INMARSAT Ltd-3 - (178 E.L.)
1 - INMARSAT Ltd-3 - (54 W.L.)

SES-AMD-20070112-00102 E E000285 Vizada, Inc.
Amendment
Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 1000 Inmarsat B Full-duplex METs in the United States, VARIOUS

| | | | | |
|-------------|---|------------|--------------------|-----------|
| ANTENNA ID: | 1 | 0.8 meters | NERA (80cm x 80cm) | SATURN BM |
|-------------|---|------------|--------------------|-----------|

| | | | |
|----------------------------------|--|--------------|-------------------------------|
| 1626.5000 - 1646.5000 MHz | 20K0G1E | 33.00 dBW | VOICE, DATA, FAX O-QPSK |
| 1626.5000 - 1646.5000 MHz | 20K0G1X | 25.00 dBW | SIGNALLING BPSK |
| 1626.5000 - 1646.5000 MHz | 100KG1X | 33.00 dBW | 64KBPS DATA, FAX O-QPSK |
| 1525.0000 - 1545.0000 MHz | 20K0G1E | | VOICE, DATA, FAX O-QPSK |
| 1525.0000 - 1545.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| 1525.0000 - 1545.0000 MHz | 100KG1X | | 64KBPS DATA, FAX O-QPSK |
| Points of Communication: | | | |
| 1 - INMARSAT 4F2 - (52.75) | | | |
| 1 - INMARSAT Ltd-3 - (15.5 W.L.) | | | |
| 1 - INMARSAT Ltd-3 - (178 E.L.) | | | |
| 1 - INMARSAT Ltd-3 - (54 W.L.) | | | |
| <hr/> | | | |
| SES-AMD-20070112-00103 | E E000283 | Vizada, Inc. | |
| Amendment | | | |
| Grant of Authority | | | Date Effective: 03/27/2008 |
| Class of Station: | Mobile Earth Station | | |
| Nature of Service: | Mobile Satellite Service | | |
| SITE ID: | 1 | | |
| LOCATION: | 1000 Inmarsat M full-duplex METs in the United States, VARIOUS | | |
| ANTENNA ID: | 1 | 0.56 meters | NERA (0.56M(SQUARE)) SATURN M |
| 1626.5000 - 1660.5000 MHz | 10K0G1W | 27.00 dBW | VOICE, DATA, FAX O-OPSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 21.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 10K0G1W | | VOICE, DATA, FAX O-OPSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| Points of Communication: | | | |
| 1 - INMARSAT 4F2 - (52.75) | | | |
| 1 - INMARSAT Ltd-3 - (15.5 W.L.) | | | |
| 1 - INMARSAT Ltd-3 - (178 E.L.) | | | |
| 1 - INMARSAT Ltd-3 - (54 W.L.) | | | |
| <hr/> | | | |

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station**Nature of Service:** Mobile Satellite Service

SITE ID: 1

LOCATION: 1000 Inmarsat Mini-M full-duplex METs in the United States, VARIOUS

| | | | |
|---------------------------|-------------|---------------------------------------|----------------------------------|
| ANTENNA ID: 1 | 0.26 meters | NERA (0.26m(w & h)) | WORLDPHON |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-PSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-PSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| ANTENNA ID: 2 | 0.27 meters | THRANE & THRANE (0.27m (w) x0.20m(h)) | TT3060A |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-PSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-PSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| ANTENNA ID: 3 | 0.27 meters | NEC (0.27m (w) x0.20m(h)) | PLANET 1 |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-PSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-PSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

1 - INMARSAT Ltd-3 - (54 W.L.)

SES-AMD-20070112-00105 E E000280 Vizada, Inc.
 Amendment
 Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 1000 Inmarsat M-4 full-duplex METs in the United States, VARIOUS

| | | | |
|---------------------------|----------|--------------------------------------|-------------------------------------|
| ANTENNA ID: 1 | 0 meters | NERA (80cm x 35cm) | WORLD COMMUNICATOR |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | VOICE, DATA AND FAX O-QPSK |
| 1626.5000 - 1660.5000 MHz | 40K0G1W | 25.00 dBW | 64KBPS ISDN channel, DATA 16-QAM |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | VOICE, DATA AND FAX O-QPSK |
| 1525.0000 - 1559.0000 MHz | 40K0G1W | | 64KBPS ISDN channel, DATA 16-QAM |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| ANTENNA ID: 2 | 0 meters | THRANE & THRANE (0.753m x0 .414m) | TT-3080A |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | VOICE, DATA AND FAX O-QPSK |
| 1626.5000 - 1660.5000 MHz | 40K0G1W | 25.00 dBW | 64KBPS ISDN channel, DATA 16-QAM |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | VOICE, DATA AND FAX O-QPSK |
| 1525.0000 - 1559.0000 MHz | 40K0G1W | | 64KBPS ISDN channel, DATA 16-QAM |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

SES-AMD-20070112-00107 E WA28 Vizada, Inc.
 Amendment
 Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHURY, CT
 41 ° 27 ' 5.00 " N LAT.

73 ° 17 ' 21.00 " W LONG.

| ANTENNA ID: | 12.8M | 12.8 meters | PHILCO-FORD | 42 FOOT |
|-------------|---------------------------|-------------|-------------|--------------------------------|
| | 6454.4000 - 6456.6000 MHz | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| | 6454.4000 - 6456.6000 MHz | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| | 6454.4000 - 6456.6000 MHz | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| | 6454.4000 - 6456.6000 MHz | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| | 6454.4000 - 6456.6000 MHz | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| | 6454.4000 - 6456.6000 MHz | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| | 6454.4000 - 6456.6000 MHz | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6454.0000 MHz | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6454.0000 MHz | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6454.0000 MHz | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6454.0000 MHz | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6454.0000 MHz | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6454.0000 MHz | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6454.0000 MHz | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6454.0000 MHz | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| | 6425.0000 - 6443.0000 MHz | 6K00G1D | | Feeder link for INMARSAT-B & M |
| | 6425.0000 - 6443.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| | 6425.0000 - 6443.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |

| | | | |
|---------------------------|---------|-----------|--|
| 6425.0000 - 6443.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 6K00G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 6417.5000 - 6443.0000 MHz | 600HG1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 1K20G1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 2K40G1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 10K5G1E | 69.20 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6440.0000 MHz | 30K0F3E | 77.00 dBW | STD A VOICE |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | STD A Telex |
| 6417.5000 - 6440.0000 MHz | 600HG1D | 77.00 dBW | STD-C Digital |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | STD-C Digital |
| 6417.5000 - 6440.0000 MHz | NON | 77.00 dBW | PILOT |
| 4195.0000 - 4199.0000 MHz | 3K00G1D | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | 0.00 dBW | DIGITAL CARRIER |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | | Feeder link for INMARSAT-B & M |

| | | | |
|---------------------------|---------|-----------|--------------------------------|
| 3600.0000 - 3623.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 120KG1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 10K5G1E | | AERO |
| 3600.0000 - 3623.0000 MHz | 1K20G1D | | AERO |
| 3600.0000 - 3623.0000 MHz | 600HG1D | | AERO |
| 3600.0000 - 3623.0000 MHz | 2K40G1D | | AERO |
| 3600.0000 - 3620.0000 MHz | 30K0F3E | | STD A VOICE |
| 3600.0000 - 3620.0000 MHz | 4K80G1D | | STD A TELEX |
| 3600.0000 - 3620.0000 MHz | NON | | PILOT |
| 3600.0000 - 3620.0000 MHz | 1K20G1D | | STD-C |
| 3600.0000 - 3620.0000 MHz | 600HG1D | | STD-C |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |
| 1626.5000 - 1660.5000 MHz | 24K0G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 600HG1D | 15.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 1K20G1D | 18.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 2K40G1D | 21.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 10K5G1E | 31.20 dBW | AERO |

| | | | |
|---------------------------|---------|-----------|-----------------|
| 1626.5000 - 1647.5000 MHz | 30K0F3E | 37.00 dBW | STD A VOICE |
| 1626.5000 - 1647.5000 MHz | NON | 37.00 dBW | PILOT |
| 1626.5000 - 1647.5000 MHz | 1K20G1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 600HG1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 4K80G1D | 37.00 dBW | STD A TELEX |
| 1574.4000 - 1576.6000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGITAL CARRIER |
| 1530.0000 - 1548.0000 MHz | 10K5G1E | | AERO |
| 1530.0000 - 1548.0000 MHz | 2K40G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 1K20G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 600HG1D | | AERO |
| 1530.0000 - 1545.0000 MHz | 30K0F3E | | STD A VOICE |
| 1530.0000 - 1545.0000 MHz | NON | | PILOT |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD A TELEX |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 600HG1D | | STD-C |
| 1525.0000 - 1559.0000 MHz | 2K40G2D | 0.00 dBW | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 10K5G2F | | DIGITAL CARRIER |

| | | | | |
|-------------|-------|-------------|-------------|---------|
| ANTENNA ID: | 12.8M | 12.8 meters | PHILCO-FORD | 42 FOOT |
|-------------|-------|-------------|-------------|---------|

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (54 W.L.)

1 - INMARSAT-2 AOR-EAST - (17 W.L.)

1 - INMARSAT-2 AOR-WEST - (98 W.L.)

1 - MARISAT-F2 - (33.9 W.L.)

| | | | |
|-------------------------------|---|-------|--------------|
| SES-AMD-20070112-00108 | E | KA313 | Vizada, Inc. |
| Amendment | | | |
| Grant of Authority | | | |

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: SOUTHBURY

LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

| | | | | |
|---------------------------|-------|-------------|--------------|-----------------|
| ANTENNA ID: | 14.2M | 14.2 meters | TIW (C-band) | DUAL |
| 6454.4000 - 6456.6000 MHz | | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |

| | | | |
|---------------------------|----------|-----------|--|
| 6425.0000 - 6454.0000 MHz | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6443.0000 MHz | NON | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 6425.0000 - 6443.0000 MHz | 600KFXN | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 6417.5000 - 6443.0000 MHz | 4K00G1D | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 4K00G3E | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 6K00G1D | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 7K50G3E | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 12K0G1D | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 12K0G3E | 70.00 dBW | |
| 6416.0000 - 6418.0000 MHz | 900KF2D | 75.00 dBW | TT&C |
| 6170.0000 - 6180.0000 MHz | 900KF2D | 90.00 dBW | TT&C |
| 5925.0000 - 6425.0000 MHz | 36M0F8F | 83.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 18M0F8F- | 83.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0G7F | 88.80 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 4M00G7F- | 84.30 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 72M0G7W | 88.80 dBW | DIGITAL VOICE, AND DATA |
| 5925.0000 - 6425.0000 MHz | 21K9G7W- | 61.70 dBW | DIGITAL VOICE, AND DATA |
| 4192.5000 - 4200.0000 MHz | 3K00G1D | | |
| 4192.5000 - 4200.0000 MHz | 4K00G1D | | |
| 4192.5000 - 4200.0000 MHz | 4K00G3E | | |
| 4192.5000 - 4200.0000 MHz | 7K50G3E | | |
| 4192.5000 - 4200.0000 MHz | 12K0G1D | | |

| | | | |
|---------------------------|----------|-----------|--|
| 4192.5000 - 4200.0000 MHz | 12K0G3E | | |
| 4188.0000 - 4189.0000 MHz | 1K00G1D | | TT&C |
| 3945.0000 - 3955.0000 MHz | 1K00G1D | | TT&C |
| 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 |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | | DIGITAL CARRIER |
| 3600.0000 - 3623.0000 MHz | NON | | Communications Systems Monitoring & test Signals |
| 3600.0000 - 3623.0000 MHz | 300KFXN | | Communications Systems Monitoring & test Signals |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | | |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | | |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | | |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | | |
| 3600.0000 - 3623.0000 MHz | 12K0G1D | | |
| 3600.0000 - 3623.0000 MHz | 12K0G3E | | |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |
| 1626.5000 - 1660.5000 MHz | 2K40G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGITAL CARRIER |

| | | | |
|-----------------------------|-------------|--------------|--|
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 300KFXN | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 1574.4000 - 1576.6000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGITAL CARRIER |
| 1530.0000 - 1548.0000 MHz | 600KFXN | | Communications Systems Monitoring & test Signals |
| 1530.0000 - 1548.0000 MHz | NON | | Communications Systems Monitoring & test Signals |
| 1525.0000 - 1559.0000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 10K5G2F | | DIGITAL CARRIER |
| ANTENNA ID: 14.2M | 14.2 meters | TIW (L-band) | DUAL |
| ANTENNA ID: 14.2M | 14.2 meters | TIW | 14.2M |
| ANTENNA ID: 1.2M | 1.2 meters | PRODELIN | 1123 |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 63.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 64K0G7W | 41.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 169KG7W | 55.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 1M62G7W | 55.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 64K0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |

| | | | |
|-----------------------------|-----------------------------|------------|--------------------------------|
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 3M00G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| SITE ID: | REMOTE 2 | | |
| LOCATION: | CONUS 1,000 (1.8M ANTENNAS) | | |
| ANTENNA ID: | 1.8M | 1.8 meters | ANDREW 183 |
| 14000.0000 - 14500.0000 MHz | 169KG7W | 58.50 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 1M62G7W | 58.50 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 3M00G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| SITE ID: | REMOTE 1 | | |
| LOCATION: | CONUS 1,000 (1.2M ANTENNAS) | | |
| ANTENNA ID: | 1.2M | 1.2 meters | ANDREW 123/124 |
| SITE ID: | REMOTE 3 (2.4M) | | |
| LOCATION: | CONUS 500 (2.4M ANTENNAS) | | |
| ANTENNA ID: | 2.4M | 2.4 meters | ANDREW 243 |
| 14000.0000 - 14500.0000 MHz | 169KG7W | 61.20 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 1M62G7W | 61.20 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 3M00G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |

Points of Communication:

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 3 (2.4M) - ALSAT - (ALSAT)

SOUTHBURY - ALSAT - (ALSAT)

SOUTHBURY - INMARSAT 4F2 - (52.75)

SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.)

SOUTHBURY - INMARSAT Ltd-3 - (54 W.L.)

SOUTHBURY - INMARSAT-2 AOR-EAST - (17 W.L.)

SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.)

SOUTHBURY - MARISAT-F2 - (33.9 W.L.)

SES-AMD-20070112-00109 E KA312 Vizada, Inc.
 Amendment
 Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: SOUTHBURY

LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.30 " N LAT.

73 ° 17 ' 21.40 " W LONG.

ANTENNA ID: 1.52M 1.52 meters COMSAT LABS

| | | | |
|---------------------------|---------|-----------|-----------------|
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 2K40G2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 10K5G1E | 31.20 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 1K20G1D | 18.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 2K40G1D | 21.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 600HG1D | 15.00 dBW | AERO |
| 1626.5000 - 1647.5000 MHz | NON | 37.00 dBW | PILOT |
| 1626.5000 - 1647.5000 MHz | 1K20G1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 600HG1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 30K0F3E | 37.00 dBW | STA A VOICE |
| 1626.5000 - 1647.5000 MHz | 4K80G1D | 37.00 dBW | STD A TELEX |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGTIAL CARRIER |

| | | | |
|---------------------------|-----------|--------------------|-----------------|
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 2K40G1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGTIAL CARRIER |
| 1530.0000 - 1548.0000 MHz | 10K5G1E | | AERO |
| 1530.0000 - 1548.0000 MHz | 1K20G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 2K40G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 600HG1D | | AERO |
| 1530.0000 - 1545.0000 MHz | NON | | PILOT |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 600HG1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STRD A TELEX |
| 1530.0000 - 1545.0000 MHz | 30K0F3E | | STD A VOICE |
| 1525.0000 - 1599.0000 MHz | 10K5G2F | | DIGTIAL CARRIER |
| 1525.0000 - 1599.0000 MHz | 1K20G1D | | DIGTIAL CARRIER |
| 1525.0000 - 1599.0000 MHz | 1K20G2D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 2K40G1D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | 0.00 dBW | DIGTIAL CARRIER |
| ANTENNA ID: 11M | 11 meters | SCIENTIFIC-ATLANTA | 8007 |
| 6454.4000 - 6456.6000 MHz | 1K20G1D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 10K5G2F | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 1K20G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2K40G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 78.00 dBW | DIGTIAL CARRIER |

| | | | |
|---------------------------|---------|-----------|--|
| 6454.4000 - 6456.6000 MHz | 600HG1D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 600HG2D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 82.30 dBW | BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM |
| 6425.0000 - 6454.0000 MHz | 10K5G2F | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G1D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2K40G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 78.00 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 82.30 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG1D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG2D | 42.50 dBW | DIGTIAL CARRIER |
| 6417.5000 - 6443.0000 MHz | 12K0G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 6K00G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 12K0G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 4K00G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 4K00G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 7K50G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 1K20G1D | 65.00 dBW | AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 600HG1D | 65.00 dBW | AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 2K40G1D | 65.00 dBW | TDM, AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 10K5G1E | 69.20 dBW | DIGITAL VOICE, AERO, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | NON | 77.00 dBW | PILOT |
| 6417.5000 - 6440.0000 MHz | 600HG1D | 77.00 dBW | TDM, STD-C, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | TDM, STD-C, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | TDM, STD-A, TELEX, FEEDERLINK |

| | | | |
|---------------------------|----------|-----------|------------------------------------|
| 6417.5000 - 6440.0000 MHz | 30K0F3E | 77.00 dBW | ANALOG STD-A, VOICE, FEEDERLINK |
| 5925.0000 - 6425.0000 MHz | 36M0F8F | 80.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 18M0F8F- | 80.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0G7F | 85.80 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 4M00G7F- | 81.30 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 72M0G7D | 85.80 dBW | DIGITAL DATA |
| 5925.0000 - 6425.0000 MHz | 21K9G7D- | 58.70 dBW | DIGITAL DATA |
| 4192.5000 - 4200.0000 MHz | 12K0G1D | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 12K0G3E | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 3K00G1E | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 4K00G1D | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 4K00G3E | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 7K50G3E | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 2K40G1D | | TDM, AERO, FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 1K20G1D | | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 600HG1D | | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 10K5G1E | | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 4K80G1D | | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | NON | | PILOT |
| 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 | 72M0G7D | | DIGITAL DATA |
| 3700.0000 - 4200.0000 MHz | 21K9G7D- | | DIGITAL DATA |

| | | | |
|---------------------------|-----------|--|------|
| 3629.4000 - 3631.6000 MHz | 2M20G1D | BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM | |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | DIGITAL CARRIER | |
| 3600.0000 - 3623.0000 MHz | 10K5G1E | DIGITAL VOICE, AERO | |
| 3600.0000 - 3623.0000 MHz | 12K0G1D | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 12K0G3E | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 1K20G1D | TDM, AERO, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 2K40G1D | TDM, AERO, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 4K80G1D | TDM, AERO, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 600HG1D | TDM, AERO, FEEDERLINK | |
| 3600.0000 - 3620.0000 MHz | 1K20G1D | STD-C | |
| 3600.0000 - 3620.0000 MHz | 600HG1D | STD-C | |
| 3600.0000 - 3620.0000 MHz | NON | PILOT | |
| 3600.0000 - 3620.0000 MHz | 30K0F3E | STD A VOICE | |
| 3600.0000 - 3260.0000 MHz | 4K80G1D | STD A TELEX | |
| ANTENNA ID: 11M | 11 meters | SCIENTIFIC-ATLANTA | 8007 |

Points of Communication:

SOUTHBURY - ALSAT - (ALSAT)

SOUTHBURY - INMARSAT 4F2 - (52.75)

SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.)

SOUTHBURY - INMARSAT Ltd-3 - (54 W.L.)

SOUTHBURY - INMARSAT-2 AOR-EAST - (17 W.L.)

SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.)

SOUTHBURY - INTV - (18.5 W)

SOUTHBURY - MARISAT-F2 - (33.9 W.L.)

SES-AMD-20070305-00293 E E020074 SATAMATICS, INC.

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 25,000 INMARSAT D+ half duplex METs throughout in U.S.

| | | | |
|---------------------------|-------------|--|---|
| ANTENNA ID: 1 | 0.11 meters | JRC (Size of MET: 121mm x 121mm x 41mm) | JUE-610 DT |
| 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: 2 | 0.11 meters | SKYWAVE | DMR-200 |
| 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: 3 | 0.11 meters | SATAMATICS | SAT-101 |
| 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| 1525.0000 - 1544.0000 MHz | 2K50F1D | | 2 level FSK, 256Hz tone spacing, symbol rates |
| ANTENNA ID: 4 | 0.11 meters | SATAMATICS | SAT-201 |
| 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

1 - INMARSAT Ltd-3 - (54 W.L.)

SES-AMD-20070531-00739 E E030055 SkyWave Mobile Communications, Corp.

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 25,000 INMARSAT D+ half duplex METs, IN US

ANTENNA ID: 1 0.11 meters SKYWAVE MOBILE
COMMUNICATIONS, INC. DMR-200C

1626.5000 - 1645.5000 MHz 2K50F1D 9.00 dBW MODULATION: 2 LEVEL FSK, 256HZ
TONE SPACING, SYMBOL RATES OF
4, 16, 32, 64, OR 128 SYMBOLS/SEC

1525.0000 - 1544.0000 MHz 2K50F1D MODULATION:
CONTINUOUS-PHASE 32-ARY FSK,
20HZ TONE SPACING, SYMBOL
RATE: 4 SYMBOLS/SEC

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

SES-AMD-20071010-01407 E E030055 SkyWave Mobile Communications, Corp.

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 25,000 INMARSAT D+ & D2(IsatM2M) half duplex METs, IN US

ANTENNA ID: 1 0.11 meters SKYWAVE MOBILE
COMMUNICATIONS, INC. DMR-200C

1525.0000 - 1544.0000 MHz 2K50F1D INMARSAT D+ service/
MODULATION:
CONTINUOUS-PHASE 32-ARY FSK,
20HZ TONE SPACING, SYMBOL
RATE: 4 SYMBOLS/SEC

1626.5000 - 1645.5000 MHz 2K50F1D 9.00 dBW INMARSAT D+ service/
MODULATION: 2 LEVEL FSK, 256HZ
TONE SPACING, SYMBOL RATES OF
4, 16, 32, 64, OR 128 SYMBOLS/SEC

ANTENNA ID: 2 0.11 meters SKYWAVE MOBILE
COMMUNICATIONS, INC. DMR-800D

| | | | |
|---------------------------|-------------|--|---|
| 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | INMARSAT D+ service/ MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |
| 1525.0000 - 1544.0000 MHz | 2K50F1D | | INMARSAT D+ service/ MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20Hz tone spacing, symbol rate:4 symbols/sec or Continous-phas 32-ary FSK, 32Hz tone spacing, symbol rate: 16 sysmbols/sec |
| ANTENNA ID: 3 | 0.11 meters | SKYWAVE MOBILE COMMUNICATIONS, INC. | DMR-800L |
| 1525.0000 - 1544.0000 MHz | 2K50F1D | | INMARSAT D+ service/ MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20Hz tone spacing, symbol rate:4 symbols/sec or Continous-phas 32-ary FSK, 32Hz tone spacing, symbol rate: 16 sysmbols/sec |
| 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | INMARSAT D+ service/ MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |
| ANTENNA ID: 4 | 0.1 meters | SKYWAVE MOBILE COMMUNICATIONS, INC. | DMR-800S |
| 1525.0000 - 1544.0000 MHz | 2K50F1D | | INMARSAT D+ service/ MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20Hz tone spacing, symbol rate:4 symbols/sec or Continous-phas 32-ary FSK, 32Hz tone spacing, symbol rate: 16 sysmbols/sec |
| 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | INMARSAT D+ service/ MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |
| ANTENNA ID: 5 | 0.1 meters | SKYWAVE MOBILE COMMUNICATION, INC. | SURELINX 8100 MET |
| 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | INMARSAT D+ service/ MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |
| 1525.0000 - 1544.0000 MHz | 2K50F1D | | INMARSAT D+ service/ MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20Hz tone spacing, symbol rate:4 symbols/sec or Continous-phas 32-ary FSK, 32Hz tone spacing, symbol rate: 16 sysmbols/sec. |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

SES-AMD-20071107-01543 E E020074 SATAMATICS, INC.

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 25,000 INMARSAT D+ half duplex METs throughout in U.S.

| | | | | |
|-------------|---------------------------|-------------|---|---|
| ANTENNA ID: | 1 | 0.11 meters | JRC (Size of MET: 121mm x 121mm x 41mm) | JUE-610 DT |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: | 2 | 0.11 meters | SKYWAVE | DMR-200 |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: | 3 | 0.11 meters | SATAMATICS | SAT-101 |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | 2 level FSK, 256Hz tone spacing, symbol rates |
| ANTENNA ID: | 4 | 0.11 meters | SATAMATICS | SAT-201 |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

1 - INMARSAT Ltd-3 - (54 W.L.)

SES-AMD-20071129-01631 E E030120 Amtech Systems LLC

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 70,000 half-duplex METs in the United States, VARIOUS

| | | | | |
|-------------|---------------------------|------------|--------------------------------------|------------|
| ANTENNA ID: | A4 | 0.1 meters | Transcore Link Logistics Corporation | MT-3000 |
| | 1626.5000 - 1645.5000 MHz | 20K0G1D | 5.00 dBW | OQPSK/DATA |
| | 1530.0000 - 1544.0000 MHz | 5K00G1D | | BPSK/DATA |
| ANTENNA ID: | A3 | 0.1 meters | Transcore Link Logistics Corporation | MT-2000 |
| | 1626.5000 - 1645.5000 MHz | 20K0G1D | 5.00 dBW | OQPSK/DATA |
| | 1530.0000 - 1544.0000 MHz | 5K00G1D | | BPSK/DATA |

Points of Communication:

1 - AMSC 1 - (101 W.L.)

1 - INMARSAT 3F4 - (142 W.L.)

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

SES-AMD-20071129-01632 E E990316 Amtech Systems LLC

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 30,000 half-duplex METs in the United States, VARIOUS

| | | | | |
|-------------|---------------------------|------------|--------------------------------------|------------|
| ANTENNA ID: | A2 | 0.1 meters | Vistar Telecommunication Inc. | MT-1000 |
| | 1626.5000 - 1645.5000 MHz | 20K0G1D | 5.00 dBW | OQPSK/DATA |
| | 1530.0000 - 1544.0000 MHz | 5K00G1D | | BPSK/DATA |
| ANTENNA ID: | A1 | 0.1 meters | Transcore Link Logistics Corporation | MT-2000 |
| | 1626.5000 - 1645.5000 MHz | 20K0G1D | 5.00 dBW | OQPSK/DATA |

| | | | |
|---------------------------|---------|----------|-----------|
| 1530.0000 - 1544.0000 MHz | 5K00G1D | 0.00 dBW | BPSK/DATA |
|---------------------------|---------|----------|-----------|

Points of Communication:

1 - AMSC 1 - (101 W.L.)

1 - INMARSAT 3F4 - (142 W.L.)

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

SES-AMD-20071231-01759 E E000285 Vizada, Inc.
Amendment
Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 1000 Inmarsat B Full-duplex METs in the United States, VARIOUS

| | | | |
|---------------------------|------------|--------------------|-------------------------|
| ANTENNA ID: 1 | 0.8 meters | NERA (80cm x 80cm) | SATURN BM |
| 1626.5000 - 1646.5000 MHz | 20K0G1E | 33.00 dBW | VOICE, DATA, FAX O-QPSK |
| 1626.5000 - 1646.5000 MHz | 20K0G1X | 25.00 dBW | SIGNALLING BPSK |
| 1626.5000 - 1646.5000 MHz | 100KG1X | 33.00 dBW | 64KBPS DATA, FAX O-QPSK |
| 1525.0000 - 1545.0000 MHz | 20K0G1E | | VOICE, DATA, FAX O-QPSK |
| 1525.0000 - 1545.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| 1525.0000 - 1545.0000 MHz | 100KG1X | | 64KBPS DATA, FAX O-QPSK |

Points of Communication:

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

SES-AMD-20071231-01760 E E000283 Vizada, Inc.
Amendment
Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 1000 Inmarsat M full-duplex METs in the United States, VARIOUS

| | | | | |
|---|---------------------------|-------------|---------------------------------------|----------------------------------|
| ANTENNA ID: | 1 | 0.56 meters | NERA (0.56M(SQUARE)) | SATURN M |
| | 1626.5000 - 1660.5000 MHz | 10K0G1W | 27.00 dBW | VOICE, DATA, FAX O-PSK |
| | 1626.5000 - 1660.5000 MHz | 20K0G1X | 21.00 dBW | SIGNALLING BPSK |
| | 1525.0000 - 1559.0000 MHz | 10K0G1W | | VOICE, DATA, FAX O-PSK |
| | 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| Points of Communication: | | | | |
| 1 - INMARSAT 4F2 - (52.75) | | | | |
| 1 - INMARSAT Ltd-3 - (15.5 W.L.) | | | | |
| 1 - INMARSAT Ltd-3 - (178 E.L.) | | | | |
| <hr/> | | | | |
| SES-AMD-20071231-01761 E E000282 Vizada, Inc. | | | | |
| Amendment | | | | |
| Grant of Authority | | | | Date Effective: 03/27/2008 |
| Class of Station: Mobile Earth Station | | | | |
| Nature of Service: Mobile Satellite Service | | | | |
| SITE ID: 1 | | | | |
| LOCATION: 1000 Inmarsat Mini-M full-duplex METs in the United States, VARIOUS | | | | |
| ANTENNA ID: | 1 | 0.26 meters | NERA (0.26m(w & h)) | WORLDPHON |
| | 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-PSK |
| | 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| | 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-PSK |
| | 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| ANTENNA ID: | 2 | 0.27 meters | THRANE & THRANE (0.27m (w) x0.20m(h)) | TT3060A |
| | 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-PSK |
| | 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| | 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-PSK |
| | 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |

| | | | | |
|----------------------------------|--|-------------|----------------------------------|----------------------------------|
| ANTENNA ID: | 3 | 0.27 meters | NEC (0.27m (w) x0.20m(h)) | PLANET 1 |
| | 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-PSK |
| | 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| | 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-PSK |
| | 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| Points of Communication: | | | | |
| 1 - INMARSAT 4F2 - (52.75) | | | | |
| 1 - INMARSAT Ltd-3 - (15.5 W.L.) | | | | |
| 1 - INMARSAT Ltd-3 - (178 E.L.) | | | | |
| <hr/> | | | | |
| SES-AMD-20071231-01762 | | E E000280 | Vizada, Inc. | |
| Amendment | | | | |
| Grant of Authority | | | Date Effective: | 03/27/2008 |
| Class of Station: | Mobile Earth Station | | | |
| Nature of Service: | Mobile Satellite Service | | | |
| | | | | |
| SITE ID: | 1 | | | |
| LOCATION: | 1000 Inmarsat M-4 full-duplex METs in the United States, VARIOUS | | | |
| | | | | |
| ANTENNA ID: | 1 | 0 meters | NERA (80cm x 35cm) | WORLD COMMUNICATOR |
| | 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | VOICE, DATA AND FAX O-QPSK |
| | 1626.5000 - 1660.5000 MHz | 40K0G1W | 25.00 dBW | 64KBPS ISDN channel, DATA 16-QAM |
| | 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| | 1525.0000 - 1559.0000 MHz | 5K00G1E | | VOICE, DATA AND FAX O-QPSK |
| | 1525.0000 - 1559.0000 MHz | 40K0G1W | | 64KBPS ISDN channel, DATA 16-QAM |
| | 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| | | | | |
| ANTENNA ID: | 2 | 0 meters | THRANE & THRANE (0.753m x0.414m) | TT-3080A |
| | 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | VOICE, DATA AND FAX O-QPSK |
| | 1626.5000 - 1660.5000 MHz | 40K0G1W | 25.00 dBW | 64KBPS ISDN channel, DATA 16-QAM |

| | | | |
|---------------------------|---------|-----------|-------------------------------------|
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | VOICE, DATA AND FAX O-QPSK |
| 1525.0000 - 1559.0000 MHz | 40K0G1W | | 64KBPS ISDN channel, DATA 16-QAM |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

SES-AMD-20071231-01763 E WB36 Vizada, Inc.
Amendment
Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: SOUTHBURY

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 5.00 " N LAT.

73 ° 17 ' 19.00 " 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 | 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 |
| 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 AUDIO, VIDEO AND DATA |
| 13780.0000 - 14500.0000 MHz | 64K0G7W | 58.10 dBW | DIGITAL AUDIO, VIDEO AND DATA |
| 13750.0000 - 13770.0000 MHz | 10M0G7W | 80.10 dBW | DIGITAL AUDIO, VIDEO AND DATA |
| 13750.0000 - 13770.0000 MHz | 64K0G7W | 58.10 dBW | DIGITAL AUDIO, VIDEO AND DATA |
| 11700.0000 - 12200.0000 MHz | 10M0G7W | | DIGITAL AUDIO, VIDEO AND DATA |
| 11700.0000 - 12200.0000 MHz | 64K0G7W | | DIGITAL AUDIO, VIDEO 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 |
| 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 AUDIO, VIDEO AND DATA |
| 11450.0000 - 11700.0000 MHz | 64K0G7W | | DIGITAL AUDIO, VIDEO AND DATA |

Points of Communication:

SOUTHBURY - ALSAT - (ALSAT)

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-2 AOR-WEST - (98 W.L.)

SOUTHBURY - MARISAT-F2 - (33.9 W.L.)

SES-AMD-20071231-01764 E WA28 Vizada, Inc.

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations**Nature of Service:** Mobile Satellite Service

SITE ID: 1

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 5.00 " N LAT.

73 ° 17 ' 21.00 " W LONG.

| ANTENNA ID: | 12.8M | 12.8 meters | PHILCO-FORD | 42 FOOT |
|---------------------------|-------|-------------|-------------|-----------------|
| 6454.4000 - 6456.6000 MHz | | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |

| | | | |
|---------------------------|---------|-----------|--|
| 6425.0000 - 6454.0000 MHz | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6443.0000 MHz | 6K00G1D | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 6K00G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 6417.5000 - 6443.0000 MHz | 600HG1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 1K20G1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 2K40G1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 10K5G1E | 69.20 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6440.0000 MHz | 30K0F3E | 77.00 dBW | STD A VOICE |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | STD A Telex |
| 6417.5000 - 6440.0000 MHz | 600HG1D | 77.00 dBW | STD-C Digital |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | STD-C Digital |
| 6417.5000 - 6440.0000 MHz | NON | 77.00 dBW | PILOT |
| 4195.0000 - 4199.0000 MHz | 3K00G1D | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |

| | | | |
|---------------------------|---------|-----------|--------------------------------|
| 4195.0000 - 4199.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | 0.00 dBW | DIGITAL CARRIER |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 120KG1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 10K5G1E | | AERO |
| 3600.0000 - 3623.0000 MHz | 1K20G1D | | AERO |
| 3600.0000 - 3623.0000 MHz | 600HG1D | | AERO |
| 3600.0000 - 3623.0000 MHz | 2K40G1D | | AERO |
| 3600.0000 - 3620.0000 MHz | 30K0F3E | | STD A VOICE |
| 3600.0000 - 3620.0000 MHz | 4K80G1D | | STD A TELEX |
| 3600.0000 - 3620.0000 MHz | NON | | PILOT |
| 3600.0000 - 3620.0000 MHz | 1K20G1D | | STD-C |
| 3600.0000 - 3620.0000 MHz | 600HG1D | | STD-C |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |
| 1626.5000 - 1660.5000 MHz | 24K0G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGITAL CARRIER |

| | | | |
|---------------------------|---------|-----------|-----------------|
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 600HG1D | 15.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 1K20G1D | 18.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 2K40G1D | 21.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 10K5G1E | 31.20 dBW | AERO |
| 1626.5000 - 1647.5000 MHz | 30K0F3E | 37.00 dBW | STD A VOICE |
| 1626.5000 - 1647.5000 MHz | NON | 37.00 dBW | PILOT |
| 1626.5000 - 1647.5000 MHz | 1K20G1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 600HG1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 4K80G1D | 37.00 dBW | STD A TELEX |
| 1574.4000 - 1576.6000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGITAL CARRIER |
| 1530.0000 - 1548.0000 MHz | 10K5G1E | | AERO |
| 1530.0000 - 1548.0000 MHz | 2K40G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 1K20G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 600HG1D | | AERO |
| 1530.0000 - 1545.0000 MHz | 30K0F3E | | STD A VOICE |
| 1530.0000 - 1545.0000 MHz | NON | | PILOT |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD A TELEX |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 600HG1D | | STD-C |

| | | | |
|---------------------------|-------------|-------------|-----------------|
| 1525.0000 - 1559.0000 MHz | 2K40G2D | 0.00 dBW | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 10K5G2F | | DIGITAL CARRIER |
| ANTENNA ID: 12.8M | 12.8 meters | PHILCO-FORD | 42 FOOT |

Points of Communication:

- 1 - INMARSAT 4F2 - (52.75)
- 1 - INMARSAT Ltd-3 - (15.5 W.L.)
- 1 - INMARSAT-2 AOR-EAST - (17 W.L.)
- 1 - INMARSAT-2 AOR-WEST - (98 W.L.)
- 1 - MARISAT-F2 - (33.9 W.L.)

SES-AMD-20071231-01765 E KA313 Vizada, Inc.
Amendment
Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: SOUTHBURY
LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT
41 ° 27 ' 6.30 " N LAT. 73 ° 17 ' 16.40 " W LONG.

| | | | |
|---------------------------|-------------|--------------|-----------------|
| ANTENNA ID: 14.2M | 14.2 meters | TIW (C-band) | DUAL |
| 6454.4000 - 6456.6000 MHz | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |

| | | | |
|---------------------------|----------|-----------|--|
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6443.0000 MHz | NON | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 6425.0000 - 6443.0000 MHz | 600KFXN | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 6417.5000 - 6443.0000 MHz | 4K00G1D | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 4K00G3E | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 6K00G1D | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 7K50G3E | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 12K0G1D | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 12K0G3E | 70.00 dBW | |
| 6416.0000 - 6418.0000 MHz | 900KF2D | 75.00 dBW | TT&C |
| 6170.0000 - 6180.0000 MHz | 900KF2D | 90.00 dBW | TT&C |
| 5925.0000 - 6425.0000 MHz | 18M0F8F- | 83.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0F8F | 83.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 4M00G7F- | 88.80 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0G7F | 84.30 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 21K9G7W- | 88.80 dBW | DIGITAL VOICE, AND DATA |
| 5925.0000 - 6425.0000 MHz | 72M0G7W | 61.70 dBW | DIGITAL VOICE, AND DATA |

| | | | |
|---------------------------|----------|--|----------------|
| 4192.5000 - 4200.0000 MHz | 3K00G1D | | |
| 4192.5000 - 4200.0000 MHz | 4K00G1D | | |
| 4192.5000 - 4200.0000 MHz | 4K00G3E | | |
| 4192.5000 - 4200.0000 MHz | 7K50G3E | | |
| 4192.5000 - 4200.0000 MHz | 12K0G1D | | |
| 4192.5000 - 4200.0000 MHz | 12K0G3E | | |
| 4188.0000 - 4189.0000 MHz | 1K00G1D | TT&C | |
| 3945.0000 - 3955.0000 MHz | 1K00G1D | TT&C | |
| 3700.0000 - 4200.0000 MHz | 18M0F8F- | ANALOG VIDEO | |
| 3700.0000 - 4200.0000 MHz | 36M0F8F | ANALOG VIDEO | |
| 3700.0000 - 4200.0000 MHz | 4M00G7F- | DIGITAL VIDEO | |
| 3700.0000 - 4200.0000 MHz | 36M0G7F | DIGITAL VIDEO | |
| 3700.0000 - 4200.0000 MHz | 21K9G7W- | DIGITAL VOICE AND DATA | |
| 3700.0000 - 4200.0000 MHz | 72M0G7W | DIGITAL VOICE AND DATA | |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | DIGITAL CARRIER | |
| 3600.0000 - 3623.0000 MHz | NON | Communications Systems Monitoring & test Signals | |
| 3600.0000 - 3623.0000 MHz | 300KFXN | Communications Systems Monitoring & test Signals | |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | | |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | | |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | | |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | | |
| 3600.0000 - 3623.0000 MHz | 12K0G1D | | |
| 3600.0000 - 3623.0000 MHz | 12K0G3E | | |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |

| | | | |
|-----------------------------|-------------|--------------|--|
| 1626.5000 - 1660.5000 MHz | 2K40G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 300KFXN | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 1574.4000 - 1576.6000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGITAL CARRIER |
| 1530.0000 - 1548.0000 MHz | 600KFXN | | Communications Systems Monitoring & test Signals |
| 1530.0000 - 1548.0000 MHz | NON | | Communications Systems Monitoring & test Signals |
| 1525.0000 - 1559.0000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 10K5G2F | | DIGITAL CARRIER |
| ANTENNA ID: 14.2M | 14.2 meters | TIW (L-band) | DUAL |
| ANTENNA ID: 14.2M | 14.2 meters | TIW | 14.2M |
| ANTENNA ID: 1.2M | 1.2 meters | PRODELIN | 1123 |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 63.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |

| | | | |
|-----------------------------|---------|-----------|--------------------------------|
| 14000.0000 - 14500.0000 MHz | 64K0G7W | 41.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 169KG7W | 55.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 1M62G7W | 55.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 64K0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 3M00G7W | | DIGITAL AUDIO, VIDEO, AND DATA |

SITE ID: REMOTE 2
LOCATION: CONUS 1,000 (1.8M ANTENNAS)

| | | | | |
|-----------------------------|---------|------------|--------------------------------|-----|
| ANTENNA ID: | 1.8M | 1.8 meters | ANDREW | 183 |
| 14000.0000 - 14500.0000 MHz | 169KG7W | 58.50 dBW | DIGITAL AUDIO, VIDEO, AND DATA | |
| 14000.0000 - 14500.0000 MHz | 1M62G7W | 58.50 dBW | DIGITAL AUDIO, VIDEO, AND DATA | |
| 11700.0000 - 12200.0000 MHz | 3M00G7W | | DIGITAL AUDIO, VIDEO, AND DATA | |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA | |

SITE ID: REMOTE 1
LOCATION: CONUS 1,000 (1.2M ANTENNAS)

| | | | | |
|-------------|------|------------|--------|---------|
| ANTENNA ID: | 1.2M | 1.2 meters | ANDREW | 123/124 |
|-------------|------|------------|--------|---------|

SITE ID: REMOTE 3 (2.4M)
LOCATION: CONUS 500 (2.4M ANTENNAS)

| | | | | |
|-----------------------------|---------|------------|--------------------------------|-----|
| ANTENNA ID: | 2.4M | 2.4 meters | ANDREW | 243 |
| 14000.0000 - 14500.0000 MHz | 169KG7W | 61.20 dBW | DIGITAL AUDIO, VIDEO, AND DATA | |
| 14000.0000 - 14500.0000 MHz | 1M62G7W | 61.20 dBW | DIGITAL AUDIO, VIDEO, AND DATA | |
| 11700.0000 - 12200.0000 MHz | 3M00G7W | | DIGITAL AUDIO, VIDEO, AND DATA | |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA | |

Points of Communication:

REMOTE 1 - ALSAT - (ALSAT)
REMOTE 2 - ALSAT - (ALSAT)
REMOTE 3 (2.4M) - ALSAT - (ALSAT)

SOUTHBURY - ALSAT - (ALSAT)

SOUTHBURY - INMARSAT 4F2 - (52.75)

SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.)

SOUTHBURY - INMARSAT-2 AOR-EAST - (17 W.L.)

SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.)

SOUTHBURY - MARISAT-F2 - (33.9 W.L.)

SES-AMD-20071231-01766 E KA312 Vizada, Inc.

Amendment

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Mobile Satellite Service

SITE ID: SOUTHBURY

LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.30 " N LAT.

73 ° 17 ' 21.40 " W LONG.

ANTENNA ID: 1.52M 1.52 meters COMSAT LABS

| | | | |
|---------------------------|---------|-----------|-----------------|
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 2K40G2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 10K5G1E | 31.20 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 1K20G1D | 18.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 2K40G1D | 21.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 600HG1D | 15.00 dBW | AERO |
| 1626.5000 - 1647.5000 MHz | NON | 37.00 dBW | PILOT |
| 1626.5000 - 1647.5000 MHz | 1K20G1D | 16.00 dBW | STD-C |

| | | | |
|---------------------------|-----------|--------------------|-----------------|
| 1626.5000 - 1647.5000 MHz | 600HG1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 30K0F3E | 37.00 dBW | STA A VOICE |
| 1626.5000 - 1647.5000 MHz | 4K80G1D | 37.00 dBW | STD A TELEX |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 2K40G1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGTIAL CARRIER |
| 1530.0000 - 1548.0000 MHz | 10K5G1E | | AERO |
| 1530.0000 - 1548.0000 MHz | 1K20G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 2K40G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 600HG1D | | AERO |
| 1530.0000 - 1545.0000 MHz | NON | | PILOT |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 600HG1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STRD A TELEX |
| 1530.0000 - 1545.0000 MHz | 30K0F3E | | STD A VOICE |
| 1525.0000 - 1599.0000 MHz | 10K5G2F | | DIGTIAL CARRIER |
| 1525.0000 - 1599.0000 MHz | 1K20G1D | | DIGTIAL CARRIER |
| 1525.0000 - 1599.0000 MHz | 1K20G2D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 2K40G1D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | 0.00 dBW | DIGTIAL CARRIER |
| ANTENNA ID: 11M | 11 meters | SCIENTIFIC-ATLANTA | 8007 |
| 6454.4000 - 6456.6000 MHz | 1K20G1D | 42.50 dBW | DIGTIAL CARRIER |

| | | | |
|---------------------------|---------|-----------|--|
| 6454.4000 - 6456.6000 MHz | 10K5G2F | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 1K20G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2K40G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 78.00 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 600HG1D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 600HG2D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 82.30 dBW | BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM |
| 6425.0000 - 6454.0000 MHz | 10K5G2F | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G1D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2K40G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 78.00 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 82.30 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG1D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG2D | 42.50 dBW | DIGTIAL CARRIER |
| 6417.5000 - 6443.0000 MHz | 12K0G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 6K00G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 12K0G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 4K00G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 4K00G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 7K50G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 1K20G1D | 65.00 dBW | AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 600HG1D | 65.00 dBW | AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 2K40G1D | 65.00 dBW | TDM, AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 10K5G1E | 69.20 dBW | DIGITAL VOICE, AERO, FEEDERLINK |

| | | | |
|---------------------------|----------|-----------|------------------------------------|
| 6417.5000 - 6440.0000 MHz | NON | 77.00 dBW | PILOT |
| 6417.5000 - 6440.0000 MHz | 600HG1D | 77.00 dBW | TDM, STD-C, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | TDM, STD-C, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | TDM, STD-A, TELEX, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | 30K0F3E | 77.00 dBW | ANALOG STD-A, VOICE, FEEDERLINK |
| 5925.0000 - 6425.0000 MHz | 18M0F8F- | 80.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0F8F | 80.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 4M00G7F- | 85.80 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0G7F | 81.30 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 21K9G7D- | 85.80 dBW | DIGITAL DATA |
| 5925.0000 - 6425.0000 MHz | 72M0G7D | 58.70 dBW | DIGITAL DATA |
| 4192.5000 - 4200.0000 MHz | 12K0G1D | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 12K0G3E | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 3K00G1E | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 4K00G1D | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 4K00G3E | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 7K50G3E | | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 2K40G1D | | TDM, AERO, FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 1K20G1D | | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 600HG1D | | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 10K5G1E | | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 4K80G1D | | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | NON | | PILOT |
| 3700.0000 - 4200.0000 MHz | 18M0F8F- | | ANALOG VIDEO |
| 3700.0000 - 4200.0000 MHz | 36M0F8F | | ANALOG VIDEO |
| 3700.0000 - 4200.0000 MHz | 4M00G7F- | | DIGITAL VIDEO |

| | | | |
|---------------------------|-----------|--|------|
| 3700.0000 - 4200.0000 MHz | 36M0G7F | DIGITAL VIDEO | |
| 3700.0000 - 4200.0000 MHz | 21K9G7D- | DIGITAL DATA | |
| 3700.0000 - 4200.0000 MHz | 72M0G7D | DIGITAL DATA | |
| 3629.4000 - 3631.6000 MHz | 2M20G1D | BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM | |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | DIGITAL CARRIER | |
| 3600.0000 - 3623.0000 MHz | 10K5G1E | DIGITAL VOICE, AERO | |
| 3600.0000 - 3623.0000 MHz | 12K0G1D | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 12K0G3E | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | INM B,C,M, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 1K20G1D | TDM, AERO, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 2K40G1D | TDM, AERO, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 4K80G1D | TDM, AERO, FEEDERLINK | |
| 3600.0000 - 3623.0000 MHz | 600HG1D | TDM, AERO, FEEDERLINK | |
| 3600.0000 - 3620.0000 MHz | 1K20G1D | STD-C | |
| 3600.0000 - 3620.0000 MHz | 600HG1D | STD-C | |
| 3600.0000 - 3620.0000 MHz | NON | PILOT | |
| 3600.0000 - 3620.0000 MHz | 30K0F3E | STD A VOICE | |
| 3600.0000 - 3260.0000 MHz | 4K80G1D | STD A TELEX | |
| ANTENNA ID: 11M | 11 meters | SCIENTIFIC-ATLANTA | 8007 |

Points of Communication:

SOUTHBURY - ALSAT - (ALSAT)

SOUTHBURY - INMARSAT 4F2 - (52.75)

SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.)

SOUTHBURY - INMARSAT-2 AOR-EAST - (17 W.L.)

SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.)

SOUTHBURY - INTV - (18.5 W)

SOUTHBURY - MARISAT-F2 - (33.9 W.L.)

SES-ASG-20080325-00351 E E070129 CLEAR CHANNEL BROADCASTING LICENSES, INC.

Application for Consent to Assignment

Consummated

Date Effective: 03/14/2008

Current Licensee: CLEAR CHANNEL BROADCASTING LICENSES, INC.

FROM: CLEAR CHANNEL BROADCASTING LICENSES, INC.

TO: NEWPORT TELEVISION LLC

No. of Station(s) listed: 2

SES-LFS-20050826-01175 E E050249 Stratos Communications, Inc.

License to communicate with a Foreign Satellite

Grant of Authority

Date Effective: 04/01/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: Multiple

LOCATION: 20,000 Inmarsat BGAN Full Duplex METs in U.S.

| | | | | |
|-------------|---------------------------|-------------|------------------------|------------------|
| ANTENNA ID: | HNS | 0.35 meters | Hughes Network Systems | HNS Briefcase |
| | 1626.5000 - 1660.5000 MHz | 200KD7W | 21.00 dBW | 16-QAM BGAN |
| | 1525.0000 - 1559.0000 MHz | 50K0D7W | | 16-QAM Signaling |
| | 1525.0000 - 1559.0000 MHz | 12K5G7W | | QPSK Signaling |
| | 1525.0000 - 1559.0000 MHz | 200KD7W | | 16-QAM BGAN |
| | 1626.5000 - 1660.5000 MHz | 50K0D7W | 21.00 dBW | 16-QAM Signaling |
| ANTENNA ID: | T&T | 0.21 meters | Thrane and Thrane | T&T Lite |
| | 1525.0000 - 1559.0000 MHz | 200KD7W | | 16-QAM BGAN |
| | 1626.5000 - 1660.5000 MHz | 200KD7W | 16.10 dBW | 16-QAM BGAN |
| | 1525.0000 - 1559.0000 MHz | 50K0D7W | | 16-QAM Signaling |
| | 1525.0000 - 1559.0000 MHz | 12K5G7W | | QPSK Signaling |
| | 1626.5000 - 1660.5000 MHz | 50K0D7W | 16.10 dBW | 16-QAM Signaling |
| ANTENNA ID: | AddValue | 0.2 meters | Add Value | Add Value PUT |

| | | | |
|-----------------------------------|---------------------------------|-----------------------------|--|
| 1525.0000 - 1559.0000 MHz | 200KG7W | | Pi/4 QPSK BGAN |
| 1525.0000 - 1559.0000 MHz | 50K0G7W | | QPSK Signaling |
| 1626.5000 - 1660.5000 MHz | 25K0G7W | 11.00 dBW | Pi/4 QPSK Signaling |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | QPSK Signaling |
| 1626.5000 - 1660.5000 MHz | 200KG7W | 11.00 dBW | Pi/4 QPSK BGAN |
| ANTENNA ID: Nera | 0.125 meters | NERA | NERA PUT |
| 1525.0000 - 1559.0000 MHz | 200KG7W | | Pi/4 QPSK BGAN |
| 1626.5000 - 1660.5000 MHz | 200KG7W | 11.00 dBW | Pi/4 QPSK BGAN |
| 1525.0000 - 1559.0000 MHz | 50K0G7W | | QPSK Signaling |
| 1525.0000 - 1559.0000 MHz | 12K5G7W | | QPSK Signaling |
| 1626.5000 - 1660.5000 MHz | 25K0G7W | 11.00 dBW | Pi/4 QPSK Signaling |
| Points of Communication: | | | |
| Multiple - INMARSAT 4F2 - (52.75) | | | |
| <hr/> | | | |
| SES-LIC-20080214-00193 | E E080044 | Cable News Network LP, LLLP | |
| Application for Authority | | | 03/28/2008 - 03/28/2023 |
| Grant of Authority | | | Date Effective: 03/28/2008 |
| Class of Station: | Temporary Fixed Earth Station | | |
| Nature of Service: | Fixed Satellite Service | | |
| SITE ID: | 1 | | |
| LOCATION: | One Time Warner Center, VARIOUS | | |
| ANTENNA ID: 1 | 2.4 meters | AVL Technology | 2400K USA |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 76.62 dBW | One 36 MBIT MCPC Digital Carrier for Voice/Data with an Emission Designator of 36MOG7W |
| 14000.0000 - 14500.0000 MHz | 36M0F8W | 76.62 dBW | One Wideband 36 MHz Frequency Modulation Video Carrier with Associated Audio and Atis Subcarriers. |
| Points of Communication: | | | |
| 1 - ALSAT - (ALSAT) | | | |
| <hr/> | | | |

| | | | | |
|-------------------------------|---|---------|---------------------------------|-------------------------|
| SES-LIC-20080219-00194 | E | E080045 | Multimedia Holdings Corporation | 03/28/2008 - 03/28/2023 |
| Application for Authority | | | | Date Effective: |
| Grant of Authority | | | | 03/28/2008 |

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 8811 OLSON MEMORIAL HWY, VARIOUS

| | | | | |
|-----------------------------|---------|------------|---|------|
| ANTENNA ID: | 1 | 1.2 meters | AVL TECHNOLOGY | 1200 |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 64.50 dBW | ONE 36 MBIT CARRIER FOR VOICE/DATA WITH AN EMISSION DESIGNATOR OF 36M0G7W | |

Points of Communication:

1 - ALSAT - (ALSAT)

| | | | | |
|-------------------------------|---|---------|------------------------------|-------------------------|
| SES-LIC-20080221-00195 | E | E080046 | Freebird Communications Inc. | 03/28/2008 - 03/28/2023 |
| Application for Authority | | | | Date Effective: |
| Grant of Authority | | | | 03/28/2008 |

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: C/KU Hybrid
LOCATION: VARIOUS

| | | | | |
|-----------------------------|---------|------------|---|-------|
| ANTENNA ID: | 3.7M | 3.7 meters | Andrew Corp. | ESA37 |
| 3700.0000 - 4200.0000 MHz | 51K2G7W | | Digital traffic various information, data rates, FEC and modulation | |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | | Digital traffic various information, data rates, FEC and modulation | |
| 5925.0000 - 6425.0000 MHz | 51K2G7W | 44.37 dBW | Digital traffic various information, data rates, FEC and modulation | |
| 5925.0000 - 6425.0000 MHz | 36M0G7W | 72.90 dBW | Digital traffic various information, data rates, FEC and modulation | |
| ANTENNA ID: | 3.7M | 3.7 meters | Andrew Corp. | ESA37 |
| 11700.0000 - 12200.0000 MHz | 51K2G7W | | Digital traffic various information, data rates, FEC and modulation | |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | Digital traffic various information, data rates, FEC and modulation | |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 78.24 dBW | Digital traffic various information, data rates, FEC and modulation | |

| | | | |
|---------------------------------|-------------------------------|-------------------------------------|---|
| 14000.0000 - 14250.0000 MHz | 51K2G7W | 49.77 dBW | Digital traffic various information, data rates, FEC and modulation |
| Points of Communication: | | | |
| C/KU Hybrid - ALSAT - (ALSAT) | | | |
| SES-LIC-20080221-00196 | E E880308 | WCVB Hearst-Argyle Television, Inc. | 03/28/2008 - 03/28/2023 |
| Application for Authority | | | Date Effective: 03/28/2008 |
| Grant of Authority | | | |
| Class of Station: | Temporary Fixed Earth Station | | |
| Nature of Service: | Fixed Satellite Service | | |
| SITE ID: | 1 | | |
| LOCATION: | 5 TV PLACE, VARIOUS | | |
| ANTENNA ID: 1 | 2.4 meters | ANDREWS | ES245NGLTE |
| 14000.0000 - 14500.0000 MHz | 24M0G7F | 64.10 dBW | DIGITAL COMPRESSED TV |
| 14000.0000 - 14500.0000 MHz | 24M0F8F | 71.33 dBW | ANALOG TV FM MODULATION HALF TRANS. |
| 14000.0000 - 14500.0000 MHz | 36M0F8F | 74.33 dBW | ANALOG TV FM MODULATION FULL TRANS. |
| Points of Communication: | | | |
| 1 - ALSAT - (ALSAT) | | | |
| SES-LIC-20080222-00197 | E E080047 | Ackerley Broadcasting - Fresno, LLC | 03/28/2008 - 03/28/2023 |
| Application for Authority | | | Date Effective: 03/28/2008 |
| Grant of Authority | | | |
| Class of Station: | Temporary Fixed Earth Station | | |
| Nature of Service: | Fixed Satellite Service | | |
| SITE ID: | 1 | | |
| LOCATION: | 4880 North First St., VARIOUS | | |
| ANTENNA ID: 1 | 1.2 meters | ADVENT | NEWS-SWIFT 1.2M SNG |
| 14000.0000 - 14500.0000 MHz | 8M00G7W | 62.30 dBW | |
| 11700.0000 - 12200.0000 MHz | 8M00G7W | | |
| Points of Communication: | | | |
| 1 - ALSAT - (ALSAT) | | | |

SES-MFS-20051122-01614 E E000180 Stratos Communications, Inc.

Modification

10/09/2001 - 10/09/2011

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 1000 INMARSAT M-4 full-duplex METs in the United States

| | | | | |
|-------------|---------------------------|------------|---|----------------------------|
| ANTENNA ID: | MET2 | | EMS TECHNOLOGIES (MET: 0.4x0.4x0.1m) | EMS STORM GAN M4 LT |
| | 1525.0000 - 1559.0000 MHz | | 40K0D1W | FDM, 16 QAM (voice, data) |
| | 1525.0000 - 1559.0000 MHz | | 5K00G1W | FDM, 0 QPSK (voice, data) |
| | 1525.0000 - 1559.0000 MHz | | 10K0G1D | TDM, BPSK (Signaling) |
| | 1626.5000 - 1660.5000 MHz | | 40K0D1W 25.00 dBW | FDMA, 16 QAM (voice, data) |
| | 1626.5000 - 1660.5000 MHz | | 5K00G1W 14.00 dBW | FDMA, 0 QPSK (voice, data) |
| | 1626.5000 - 1660.5000 MHz | | 5K00G1D 14.00 dBW | TDMA, BPSK (Signaling) |
| ANTENNA ID: | MET1 | | NERA | WorldCommunicator |
| | 1525.0000 - 1559.0000 MHz | | 40K0D1W | FDM, 16 QAM (voice, data) |
| | 1525.0000 - 1559.0000 MHz | | 5K00G1W | FDMA, 0 QPSK (voice, data) |
| | 1525.0000 - 1559.0000 MHz | | 10K0G1D | TDM, BPSK (Signaling) |
| | 1626.5000 - 1660.5000 MHz | | 40K0D1W 25.00 dBW | FDMA, 16 QAM (voice, data) |
| | 1626.5000 - 1660.5000 MHz | | 5K00G1W 14.00 dBW | FDMA, 0 QPSK (voice, data) |
| | 1626.5000 - 1660.5000 MHz | | 5K00G1D 14.00 dBW | TDMA, BPSK (Signaling) |
| ANTENNA ID: | MET 3 | 0.6 meters | EMS SATCOM | CYCLONE |
| | 1525.0000 - 1559.0000 MHz | | 40K0D1W | FDM, 16 QAM (voice, data) |
| | 1525.0000 - 1559.0000 MHz | | 5K00G1W | FDM, 0 QPSK, (voice, data) |
| | 1525.0000 - 1559.0000 MHz | | 10K0G1D | TDM, BPSK (Signaling) |
| | 1626.5000 - 1660.5000 MHz | | 40K0D1W 25.00 dBW | FDMA, 16 QAM (voice, data) |
| | 1626.5000 - 1660.5000 MHz | | 5K00G1W 14.00 dBW | FDMA, 0 QPSK (voice, data) |
| | 1626.5000 - 1660.5000 MHz | | 5K00G1D 14.00 dBW | TDMA, BPSK (Signaling) |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

SES-MFS-20051122-01616 E E010048 Stratos Communications, Inc.

Modification

10/09/2001 - 10/09/2011

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 1000 Inmarsat Mini-M full-duplex METs in the United States

| | | | |
|---------------------------|-------------|--|--------------------------------------|
| ANTENNA ID: 1 | 0.26 meters | NERA (0.26m(w & h)) | WORLDPONE |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-QPSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-QPSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| ANTENNA ID: 2 | 0.27 meters | THRANE & THRANE (0.27m(w)x0.20m(h)) | TT3060A |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-QPSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-QPSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

SES-MFS-20051122-01617 E E010049 Stratos Communications, Inc.

Modification

10/09/2001 - 10/09/2011

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 1000 Inmarsat B full-duplex METs in the United States

| | | | | |
|---------------------------|---------|-------------------------|-------------------------|-----------|
| ANTENNA ID: | 1 | 0.8 meters | NERA (80cm x 80cm) | SATURN BM |
| 1626.5000 - 1646.5000 MHz | 20K0G1E | 33.00 dBW | VOICE, DATA, FAX O-QPSK | |
| 1626.5000 - 1646.5000 MHz | 20K0G1X | 25.00 dBW | SIGNALLING BPSK | |
| 1626.5000 - 1646.5000 MHz | 100KG1X | 33.00 dBW | 64KBPS DATA, FAX O-QPSK | |
| 1525.0000 - 1545.0000 MHz | 20K0G1E | VOICE, DATA, FAX O-QPSK | | |
| 1525.0000 - 1545.0000 MHz | 20K0G1X | SIGNALLING BPSK | | |
| 1525.0000 - 1545.0000 MHz | 100KG1X | 64KBPS DATA, FAX O-QPSK | | |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

| | | | | |
|-------------------------------|---|---------|------------------------------|----------------------------|
| SES-MFS-20051122-01618 | E | E010047 | Stratos Communications, Inc. | 10/09/2001 - 10/09/2011 |
| Modification | | | | Date Effective: 03/27/2008 |
| Grant of Authority | | | | |

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 1000 Inmarsat M full-duplex METs in the United States

| | | | | |
|---------------------------|---------|-------------------------|-------------------------|----------|
| ANTENNA ID: | 1 | 0.56 meters | NERA (0.56m (square)) | SATURN M |
| 1626.5000 - 1646.5000 MHz | 10K0G1W | 27.00 dBW | VOICE, DATA, FAX O-QPSK | |
| 1626.5000 - 1646.5000 MHz | 20K0G1X | 21.00 dBW | SIGNALLING BPSK | |
| 1525.0000 - 1545.0000 MHz | 10K0G1W | VOICE, DATA, FAX O-QPSK | | |
| 1525.0000 - 1545.0000 MHz | 20K0G1X | SIGNALLING BPSK | | |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

SES-MFS-20051123-01626 E KA312 Vizada, Inc.

Modification

02/27/1999 - 02/27/2009

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Feeder Link for Mobile Satellite Service, Mobile Satellite Service

SITE ID: SOUTHBURY

LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.30 " N LAT.

73 ° 17 ' 21.40 " W LONG.

ANTENNA ID: 1.52M 1.52 meters COMSAT LABS

| | | | |
|---------------------------|---------|-----------|-----------------|
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 2K40G2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGTIAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 10K5G1E | 31.20 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 1K20G1D | 18.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 2K40G1D | 21.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 600HG1D | 15.00 dBW | AERO |
| 1626.5000 - 1647.5000 MHz | NON | 37.00 dBW | PILOT |
| 1626.5000 - 1647.5000 MHz | 1K20G1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 600HG1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 30K0F3E | 37.00 dBW | STA A VOICE |
| 1626.5000 - 1647.5000 MHz | 4K80G1D | 37.00 dBW | STD A TELEX |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGTIAL CARRIER |

| | | | |
|---------------------------|-----------|--------------------|-----------------|
| 1574.4000 - 1576.6000 MHz | 2K40G1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGTIAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGTIAL CARRIER |
| 1530.0000 - 1548.0000 MHz | 10K5G1E | | AERO |
| 1530.0000 - 1548.0000 MHz | 1K20G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 2K40G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 600HG1D | | AERO |
| 1530.0000 - 1545.0000 MHz | NON | | PILOT |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 600HG1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STRD A TELEX |
| 1530.0000 - 1545.0000 MHz | 30K0F3E | | STD A VOICE |
| 1525.0000 - 1599.0000 MHz | 10K5G2F | | DIGTIAL CARRIER |
| 1525.0000 - 1599.0000 MHz | 1K20G1D | | DIGTIAL CARRIER |
| 1525.0000 - 1599.0000 MHz | 1K20G2D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 2K40G1D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | 0.00 dBW | DIGTIAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | 0.00 dBW | DIGTIAL CARRIER |
| ANTENNA ID: 11M | 11 meters | SCIENTIFIC-ATLANTA | 8007 |
| 6454.4000 - 6456.6000 MHz | 1K20G1D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 10K5G2F | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 1K20G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2K40G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 78.00 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 600HG1D | 42.50 dBW | DIGTIAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 600HG2D | 42.50 dBW | DIGTIAL CARRIER |

| | | | |
|---------------------------|---------|-----------|--|
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 82.30 dBW | BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM |
| 6425.0000 - 6454.0000 MHz | 10K5G2F | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G1D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2K40G2D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 78.00 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 82.30 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG1D | 42.50 dBW | DIGTIAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG2D | 42.50 dBW | DIGTIAL CARRIER |
| 6417.5000 - 6443.0000 MHz | 12K0G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 6K00G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 12K0G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 4K00G1D | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 4K00G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 7K50G3E | | INM B,C,M, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 1K20G1D | 65.00 dBW | AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 600HG1D | 65.00 dBW | AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 2K40G1D | 65.00 dBW | TDM, AERO, FEEDERLINK |
| 6417.5000 - 6443.0000 MHz | 10K5G1E | 69.20 dBW | DIGITAL VOICE, AERO, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | NON | 77.00 dBW | PILOT |
| 6417.5000 - 6440.0000 MHz | 600HG1D | 77.00 dBW | TDM, STD-C, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | TDM, STD-C, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | TDM, STD-A, TELEX, FEEDERLINK |
| 6417.5000 - 6440.0000 MHz | 30K0F3E | 77.00 dBW | ANALOG STD-A, VOICE, FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 12K0G1D | | INM B,C,M |

| | | |
|---------------------------|---------|--|
| 4192.5000 - 4200.0000 MHz | 12K0G3E | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 3K00G1E | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 4K00G1D | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 4K00G3E | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 7K50G3E | INM B,C,M |
| 4192.5000 - 4200.0000 MHz | 2K40G1D | TDM, AERO, FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 1K20G1D | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 600HG1D | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 10K5G1E | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | 4K80G1D | TDM, STD-C, AERO FEEDERLINK |
| 4192.5000 - 4200.0000 MHz | NON | PILOT |
| 3629.4000 - 3631.6000 MHz | 2M20G1D | BPSK SPREAD SPECTRUM DATA (NAVIGATION) TO SUPPORT FAA-WASS PROGRAM |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | DIGITAL CARRIER |
| 3600.0000 - 3623.0000 MHz | 10K5G1E | DIGITAL VOICE, AERO |
| 3600.0000 - 3623.0000 MHz | 12K0G1D | INM B,C,M, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 12K0G3E | INM B,C,M, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | INM B,C,M, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | INM B,C,M, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | INM B,C,M, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | INM B,C,M, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 1K20G1D | TDM, AERO, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 2K40G1D | TDM, AERO, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 4K80G1D | TDM, AERO, FEEDERLINK |
| 3600.0000 - 3623.0000 MHz | 600HG1D | TDM, AERO, FEEDERLINK |
| 3600.0000 - 3620.0000 MHz | 1K20G1D | STD-C |

| | | | |
|---|-----------|--------------------|---------------|
| 3600.0000 - 3620.0000 MHz | 600HG1D | | STD-C |
| 3600.0000 - 3620.0000 MHz | NON | | PILOT |
| 3600.0000 - 3620.0000 MHz | 30K0F3E | | STD A VOICE |
| 3600.0000 - 3260.0000 MHz | 4K80G1D | | STD A TELEX |
| 5925.0000 - 6425.0000 MHz | 18M0F8F- | 80.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0F8F | 80.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 4M00G7F- | 85.80 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0G7F | 81.30 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 21K9G7D- | 85.80 dBW | DIGITAL DATA |
| 5925.0000 - 6425.0000 MHz | 72M0G7D | 58.70 dBW | DIGITAL DATA |
| 3700.0000 - 4200.0000 MHz | 18M0F8F- | | ANALOG VIDEO |
| 3700.0000 - 4200.0000 MHz | 36M0F8F | | ANALOG VIDEO |
| 3700.0000 - 4200.0000 MHz | 4M00G7F- | | DIGITAL VIDEO |
| 3700.0000 - 4200.0000 MHz | 36M0G7F | | DIGITAL VIDEO |
| 3700.0000 - 4200.0000 MHz | 21K9G7D- | | DIGITAL DATA |
| 3700.0000 - 4200.0000 MHz | 72M0G7D | | DIGITAL DATA |
| ANTENNA ID: 11M | 11 meters | SCIENTIFIC-ATLANTA | 8007 |
| Points of Communication: | | | |
| SOUTHBURY - ALSAT - (ALSAT) | | | |
| SOUTHBURY - INMARSAT 4F2 - (52.75) | | | |
| SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.) | | | |
| SOUTHBURY - INMARSAT-2 AOR-EAST - (17 W.L.) | | | |
| SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.) | | | |
| SOUTHBURY - INTV - (18.5 W) | | | |
| SOUTHBURY - MARISAT-F2 - (33.9 W.L.) | | | |

SES-MFS-20051123-01627 E KA313 Vizada, Inc.

Modification

02/20/2001 - 02/20/2010

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Feeder Link for Mobile Satellite Service, Mobile Satellite Service

SITE ID: SOUTHBURY

LOCATION: 2120 RIVER RD., NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 6.30 " N LAT.

73 ° 17 ' 16.40 " W LONG.

| ANTENNA ID: | 14.2M | 14.2 meters | TIW (C-band) | DUAL |
|---------------------------|-------|-------------|--------------|--|
| 6454.4000 - 6456.6000 MHz | | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6443.0000 MHz | | NON | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 6425.0000 - 6443.0000 MHz | | 600KFXN | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 6417.5000 - 6443.0000 MHz | | 4K00G1D | 70.00 dBW | |

| | | | |
|---------------------------|----------|-----------|-------------------------|
| 6417.5000 - 6443.0000 MHz | 4K00G3E | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 6K00G1D | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 7K50G3E | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 12K0G1D | 70.00 dBW | |
| 6417.5000 - 6443.0000 MHz | 12K0G3E | 70.00 dBW | |
| 6416.0000 - 6418.0000 MHz | 900KF2D | 75.00 dBW | TT&C |
| 6170.0000 - 6180.0000 MHz | 900KF2D | 90.00 dBW | TT&C |
| 5925.0000 - 6425.0000 MHz | 18M0F8F- | 83.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0F8F | 83.50 dBW | ANALOG VIDEO |
| 5925.0000 - 6425.0000 MHz | 4M00G7F- | 88.80 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 36M0G7F | 84.30 dBW | DIGITAL VIDEO |
| 5925.0000 - 6425.0000 MHz | 21K9G7W- | 88.80 dBW | DIGITAL VOICE, AND DATA |
| 5925.0000 - 6425.0000 MHz | 72M0G7W | 61.70 dBW | DIGITAL VOICE, AND DATA |
| 4192.5000 - 4200.0000 MHz | 3K00G1D | | |
| 4192.5000 - 4200.0000 MHz | 4K00G1D | | |
| 4192.5000 - 4200.0000 MHz | 4K00G3E | | |
| 4192.5000 - 4200.0000 MHz | 7K50G3E | | |
| 4192.5000 - 4200.0000 MHz | 12K0G1D | | |
| 4192.5000 - 4200.0000 MHz | 12K0G3E | | |
| 4188.0000 - 4189.0000 MHz | 1K00G1D | | TT&C |
| 3945.0000 - 3955.0000 MHz | 1K00G1D | | TT&C |
| 3700.0000 - 4200.0000 MHz | 18M0F8F- | | ANALOG VIDEO |
| 3700.0000 - 4200.0000 MHz | 36M0F8F | | ANALOG VIDEO |
| 3700.0000 - 4200.0000 MHz | 4M00G7F- | | DIGITAL VIDEO |
| 3700.0000 - 4200.0000 MHz | 36M0G7F | | DIGITAL VIDEO |
| 3700.0000 - 4200.0000 MHz | 21K9G7W- | | DIGITAL VOICE AND DATA |

| | | | |
|---------------------------|---------|-----------|--|
| 3700.0000 - 4200.0000 MHz | 72M0G7W | | DIGITAL VOICE AND DATA |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | | DIGITAL CARRIER |
| 3600.0000 - 3623.0000 MHz | NON | | Communications Systems Monitoring & test Signals |
| 3600.0000 - 3623.0000 MHz | 300KFXN | | Communications Systems Monitoring & test Signals |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | | |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | | |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | | |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | | |
| 3600.0000 - 3623.0000 MHz | 12K0G1D | | |
| 3600.0000 - 3623.0000 MHz | 12K0G3E | | |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |
| 1626.5000 - 1660.5000 MHz | 2K40G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 300KFXN | 70.00 dBW | Communications Systems Monitoring & test Signals |
| 1574.4000 - 1576.6000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGITAL CARRIER |

| | | | |
|---------------------------------------|-------------|--------------|--|
| 1530.0000 - 1548.0000 MHz | 600KFXN | | Communications Systems Monitoring & test Signals |
| 1530.0000 - 1548.0000 MHz | NON | | Communications Systems Monitoring & test Signals |
| 1525.0000 - 1559.0000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 10K5G2F | | DIGITAL CARRIER |
| ANTENNA ID: 14.2M | 14.2 meters | TIW (L-band) | DUAL |
| ANTENNA ID: 14.2M | 14.2 meters | TIW | 14.2M |
| ANTENNA ID: 1.2M | 1.2 meters | PRODELIN | 1123 |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 63.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 64K0G7W | 41.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 64K0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 169KG7W | 55.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 1M62G7W | 55.30 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 3M00G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| SITE ID: REMOTE 2 | | | |
| LOCATION: CONUS 1,000 (1.8M ANTENNAS) | | | |
| ANTENNA ID: 1.8M | 1.8 meters | ANDREW | 183 |
| 11700.0000 - 12200.0000 MHz | 3M00G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 11700.0000 - 12200.0000 MHz | 54M0G7W | | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 169KG7W | 58.50 dBW | DIGITAL AUDIO, VIDEO, AND DATA |
| 14000.0000 - 14500.0000 MHz | 1M62G7W | 58.50 dBW | DIGITAL AUDIO, VIDEO, AND DATA |

SITE ID: REMOTE 1
LOCATION: CONUS 1,000 (1.2M ANTENNAS)

ANTENNA ID: 1.2M 1.2 meters ANDREW 123/124

SITE ID: REMOTE 3 (2.4M)
LOCATION: CONUS 500 (2.4M ANTENNAS)

ANTENNA ID: 2.4M 2.4 meters ANDREW 243

11700.0000 - 12200.0000 MHz 3M00G7W DIGITAL AUDIO, VIDEO, AND DATA

11700.0000 - 12200.0000 MHz 54M0G7W DIGITAL AUDIO, VIDEO, AND DATA

14000.0000 - 14500.0000 MHz 169KG7W 61.20 dBW DIGITAL AUDIO, VIDEO, AND DATA

14000.0000 - 14500.0000 MHz 1M62G7W 61.20 dBW DIGITAL AUDIO, VIDEO, AND DATA

Points of Communication:

REMOTE 1 - ALSAT - (ALSAT)

REMOTE 2 - ALSAT - (ALSAT)

REMOTE 3 (2.4M) - ALSAT - (ALSAT)

SOUTHBURY - ALSAT - (ALSAT)

SOUTHBURY - INMARSAT 4F2 - (52.75)

SOUTHBURY - INMARSAT Ltd-3 - (15.5 W.L.)

SOUTHBURY - INMARSAT-2 AOR-EAST - (17 W.L.)

SOUTHBURY - INMARSAT-2 AOR-WEST - (98 W.L.)

SOUTHBURY - MARISAT-F2 - (33.9 W.L.)

SES-MFS-20051123-01629 E WA28 Vizada, Inc.

Modification

04/08/2003 - 04/08/2018

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Feeder Link for Mobile Satellite Service, Mobile Satellite Service

SITE ID: 1

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 5.00 " N LAT.

73 ° 17 ' 21.00 " W LONG.

ANTENNA ID: 12.8M 12.8 meters PHILCO-FORD 42 FOOT

6454.4000 - 6456.6000 MHz 600HG1D 44.50 dBW DIGITAL CARRIER

| | | | |
|---------------------------|---------|-----------|--------------------------------|
| 6454.4000 - 6456.6000 MHz | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6454.4000 - 6456.6000 MHz | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG1D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 600HG2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 1K20G2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2K40G2D | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 10K5G2F | 44.50 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 78.00 dBW | DIGITAL CARRIER |
| 6425.0000 - 6454.0000 MHz | 2M20G1D | 82.30 dBW | DIGITAL CARRIER |
| 6425.0000 - 6443.0000 MHz | 6K00G1D | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 6425.0000 - 6443.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 6K00G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 6420.0000 - 6424.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |

| | | | |
|---------------------------|---------|-----------|--|
| 6417.5000 - 6443.0000 MHz | 600HG1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 1K20G1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 2K40G1D | 65.00 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6443.0000 MHz | 10K5G1E | 69.20 dBW | Aeronautical Digital transmit channels |
| 6417.5000 - 6440.0000 MHz | 30K0F3E | 77.00 dBW | STD A VOICE |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | STD A Telex |
| 6417.5000 - 6440.0000 MHz | 600HG1D | 77.00 dBW | STD-C Digital |
| 6417.5000 - 6440.0000 MHz | 1K20G1D | 77.00 dBW | STD-C Digital |
| 6417.5000 - 6440.0000 MHz | NON | 77.00 dBW | PILOT |
| 4195.0000 - 4199.0000 MHz | 3K00G1D | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 12K0G1D | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 4195.0000 - 4199.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3629.0000 MHz | 2M20G1D | 0.00 dBW | DIGITAL CARRIER |
| 3600.0000 - 3623.0000 MHz | 3K00G1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 12K0G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 120KG1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 7K50G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 4K00G3E | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 4K00G1D | | Feeder link for INMARSAT-B & M |
| 3600.0000 - 3623.0000 MHz | 10K5G1E | | AERO |
| 3600.0000 - 3623.0000 MHz | 1K20G1D | | AERO |
| 3600.0000 - 3623.0000 MHz | 600HG1D | | AERO |
| 3600.0000 - 3623.0000 MHz | 2K40G1D | | AERO |

| | | | |
|---------------------------|---------|-----------|-----------------|
| 3600.0000 - 3620.0000 MHz | 30K0F3E | | STD A VOICE |
| 3600.0000 - 3620.0000 MHz | 4K80G1D | | STD A TELEX |
| 3600.0000 - 3620.0000 MHz | NON | | PILOT |
| 3600.0000 - 3620.0000 MHz | 1K20G1D | | STD-C |
| 3600.0000 - 3620.0000 MHz | 600HG1D | | STD-C |
| 1626.5000 - 1660.5000 MHz | 24K0F3E | 36.00 dBW | ANALOG CARRIER |
| 1626.5000 - 1660.5000 MHz | NON | 31.00 dBW | PILOT |
| 1626.5000 - 1660.5000 MHz | 24K0G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG1D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 600HG2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 1K20G2D | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1660.5000 MHz | 10K5G2F | 36.00 dBW | DIGITAL CARRIER |
| 1626.5000 - 1649.5000 MHz | 600HG1D | 15.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 1K20G1D | 18.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 2K40G1D | 21.00 dBW | AERO |
| 1626.5000 - 1649.5000 MHz | 10K5G1E | 31.20 dBW | AERO |
| 1626.5000 - 1647.5000 MHz | 30K0F3E | 37.00 dBW | STD A VOICE |
| 1626.5000 - 1647.5000 MHz | NON | 37.00 dBW | PILOT |
| 1626.5000 - 1647.5000 MHz | 1K20G1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 600HG1D | 16.00 dBW | STD-C |
| 1626.5000 - 1647.5000 MHz | 4K80G1D | 37.00 dBW | STD A TELEX |
| 1574.4000 - 1576.6000 MHz | 2K40G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 600HG2D | | DIGITAL CARRIER |

| | | | |
|---------------------------|-------------|-------------|-----------------|
| 1574.4000 - 1576.6000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1574.4000 - 1576.6000 MHz | 10K5G2F | | DIGITAL CARRIER |
| 1530.0000 - 1548.0000 MHz | 10K5G1E | | AERO |
| 1530.0000 - 1548.0000 MHz | 2K40G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 1K20G1D | | AERO |
| 1530.0000 - 1548.0000 MHz | 600HG1D | | AERO |
| 1530.0000 - 1545.0000 MHz | 30K0F3E | | STD A VOICE |
| 1530.0000 - 1545.0000 MHz | NON | | PILOT |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD A TELEX |
| 1530.0000 - 1545.0000 MHz | 1K20G1D | | STD-C |
| 1530.0000 - 1545.0000 MHz | 600HG1D | | STD-C |
| 1525.0000 - 1559.0000 MHz | 2K40G2D | 0.00 dBW | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG1D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 600HG2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 1K20G2D | | DIGITAL CARRIER |
| 1525.0000 - 1559.0000 MHz | 10K5G2F | | DIGITAL CARRIER |
| ANTENNA ID: 12.8M | 12.8 meters | PHILCO-FORD | 42 FOOT |

Points of Communication:

- 1 - INMARSAT 4F2 - (52.75)
- 1 - INMARSAT Ltd-3 - (15.5 W.L.)
- 1 - INMARSAT-2 AOR-EAST - (17 W.L.)
- 1 - INMARSAT-2 AOR-WEST - (98 W.L.)
- 1 - MARISAT-F2 - (33.9 W.L.)

SES-MFS-20051123-01630 E WB36 Vizada, Inc.
Modification
Grant of Authority

10/22/2001 - 10/22/2011
Date Effective: 03/27/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service, Feeder Link for Mobile Satellite Service, Mobile Satellite Service

SITE ID: SOUTHBURY

LOCATION: 2120 RIVER ROAD, NEW HAVEN, SOUTHBURY, CT

41 ° 27 ' 5.00 " N LAT.

73 ° 17 ' 19.00 " 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 | 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 |
| 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 |
| 14000.0000 - 14500.0000 MHz | 400KG1F | 66.10 dBW | 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 |
| 11450.0000 - 11700.0000 MHz | 10M0G7W | | DIGITAL AUDIO, VIDEO AND DATA |
| 11450.0000 - 11700.0000 MHz | 64K0G7W | | DIGITAL AUDIO, VIDEO AND DATA |
| 11700.0000 - 12200.0000 MHz | 10M0G7W | | DIGITAL AUDIO, VIDEO AND DATA |
| 11700.0000 - 12200.0000 MHz | 64K0G7W | | DIGITAL AUDIO, VIDEO AND DATA |
| 13750.0000 - 13770.0000 MHz | 10M0G7W | 80.10 dBW | DIGITAL AUDIO, VIDEO AND DATA |
| 13750.0000 - 13770.0000 MHz | 64K0G7W | 58.10 dBW | DIGITAL AUDIO, VIDEO AND DATA |
| 13780.0000 - 14500.0000 MHz | 10M0G7W | 80.10 dBW | DIGITAL AUDIO, VIDEO AND DATA |
| 13780.0000 - 14500.0000 MHz | 64K0G7W | 58.10 dBW | DIGITAL AUDIO, VIDEO AND DATA |

Points of Communication:

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-2 AOR-WEST - (98 W.L.)

SOUTHBURY - MARISAT-F2 - (33.9 W.L.)

SES-MFS-20051202-01665 E E020074 SATAMATICS, INC.

Modification

03/07/2003 - 03/07/2018

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 25,000 INMARSAT D+ half duplex METs throughout in U.S.

| | | | | |
|-------------|---------------------------|-------------|---|---|
| ANTENNA ID: | 1 | 0.11 meters | JRC (Size of MET: 121mm x 121mm x 41mm) | JUE-610 DT |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: | 2 | 0.11 meters | SKYWAVE | DMR-200 |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |
| ANTENNA ID: | 3 | 0.11 meters | SATAMATICS | SAT-101 |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | 2 level FSK, 256Hz tone spacing, symbol rates |
| ANTENNA ID: | 4 | 0.11 meters | SATAMATICS | SAT-201 |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

1 - INMARSAT Ltd-3 - (54 W.L.)

SES-MFS-20051207-01709 E E030055 SkyWave Mobile Communications, Corp.

Modification

01/22/2004 - 01/22/2019

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 25,000 INMARSAT D+ & D2 half duplex METs, IN US

| | | | | |
|-------------|---------------------------|-------------|-------------------------------------|--|
| ANTENNA ID: | 1 | 0.11 meters | SKYWAVE MOBILE COMMUNICATIONS, INC. | DMR-200C |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20HZ TONE SPACING, SYMBOL RATE: 4 SYMBOLS/SEC |
| ANTENNA ID: | 2 | 0.11 meters | SKYWAVE MOBILE COMMUNICATIONS, INC. | DMR-800D |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20Hz tone spacing, symbol rate:4 symbols/sec or Continous-phas 32-ary FSK, 32Hz tone spacing, symbol rate: 16 sysmbols/sec. |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |
| ANTENNA ID: | 3 | 0.11 meters | SKYWAVE MOBILE COMMUNICATIONS, INC. | DMR-800L |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20Hz tone spacing, symbol rate:4 symbols/sec or Continous-phas 32-ary FSK, 32Hz tone spacing, symbol rate: 16 sysmbols/sec. |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |
| ANTENNA ID: | 4 | 0.1 meters | SKYWAVE MOBILE COMMUNICATIONS, INC. | DMR-800S |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20Hz tone spacing, symbol rate:4 symbols/sec or Continous-phas 32-ary FSK, 32Hz tone spacing, symbol rate: 16 sysmbols/sec. |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |

| | | | | |
|--------------------------|--|------------|-------------------------------------|--|
| ANTENNA ID: | 5 | 0.1 meters | SKYWAVE MOBILE COMMUNICATIONS, INC. | SURELINX 8100 MET |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | MODULATION: 2 LEVEL FSK, 256HZ TONE SPACING, SYMBOL RATES OF 4, 16, 32, 64, OR 128 SYMBOLS/SEC |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | MODULATION: CONTINUOUS-PHASE 32-ARY FSK, 20Hz tone spacing, symbol rate:4 symbols/sec or Continous-phas 32-ary FSK, 32Hz tone spacing, symbol rate: 16 sysmbols/sec. |
| Points of Communication: | | | | |
| | 1 - INMARSAT 4F2 - (52.75) | | | |
| | 1 - INMARSAT Ltd-3 - (15.5 W.L.) | | | |
| | 1 - INMARSAT Ltd-3 - (178 E.L.) | | | |
| | | | | |
| SES-MFS-20060118-00050 | E | E000280 | Vizada, Inc. | |
| Modification | | | | 10/09/2001 - 10/09/2011 |
| Grant of Authority | | | | Date Effective: 03/27/2008 |
| Class of Station: | Mobile Earth Station | | | |
| Nature of Service: | Mobile Satellite Service | | | |
| | | | | |
| SITE ID: | 1 | | | |
| LOCATION: | 1000 Inmarsat M-4 full-duplex METs in the United States, VARIOUS | | | |
| | | | | |
| ANTENNA ID: | 1 | 0 meters | NERA (80cm x 35cm) | WORLD COMMUNICATOR |
| | 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | VOICE, DATA AND FAX O-QPSK |
| | 1626.5000 - 1660.5000 MHz | 40K0G1W | 25.00 dBW | 64KBPS ISDN channel, DATA 16-QAM |
| | 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| | 1525.0000 - 1559.0000 MHz | 5K00G1E | | VOICE, DATA AND FAX O-QPSK |
| | 1525.0000 - 1559.0000 MHz | 40K0G1W | | 64KBPS ISDN channel, DATA 16-QAM |
| | 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| | | | | |
| ANTENNA ID: | 2 | 0 meters | THRANE & THRANE (0.753m x0.414m) | TT-3080A |
| | 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | VOICE, DATA AND FAX O-QPSK |
| | 1626.5000 - 1660.5000 MHz | 40K0G1W | 25.00 dBW | 64KBPS ISDN channel, DATA 16-QAM |

| | | | |
|----------------------------------|---|--|--------------------------------------|
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | VOICE, DATA AND FAX O-QPSK |
| 1525.0000 - 1559.0000 MHz | 40K0G1W | | 64KBPS ISDN channel, DATA 16-QAM |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| Points of Communication: | | | |
| 1 - INMARSAT 4F2 - (52.75) | | | |
| 1 - INMARSAT Ltd-3 - (15.5 W.L.) | | | |
| 1 - INMARSAT Ltd-3 - (178 E.L.) | | | |
| <hr/> | | | |
| SES-MFS-20060118-00051 | E E000282 | Vizada, Inc. | |
| Modification | | | 10/09/2001 - 10/09/2011 |
| Grant of Authority | | | Date Effective: 03/27/2008 |
| Class of Station: | Mobile Earth Station | | |
| Nature of Service: | Mobile Satellite Service | | |
| | | | |
| SITE ID: | 1 | | |
| LOCATION: | 1000 Inmarsat Mini-M full-duplex METs in the United States, VARIOUS | | |
| | | | |
| ANTENNA ID: 1 | 0.26 meters | NERA (0.26m(w & h)) | WORLDPHON |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-OPSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-OPSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| ANTENNA ID: 2 | 0.27 meters | THRANE & THRANE (0.27m (w) x0.20m(h)) | TT3060A |
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-OPSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-OPSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |
| ANTENNA ID: 3 | 0.27 meters | NEC (0.27m (w) x0.20m(h)) | PLANET 1 |

| | | | |
|---------------------------|---------|-----------|--------------------------------------|
| 1626.5000 - 1660.5000 MHz | 5K00G1E | 17.00 dBW | MINI-M VOICE, DATA AND FAX O-OPSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 17.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 5K00G1E | | MINI-M VOICE, DATA AND FAX O-OPSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

| | | | | |
|-------------------------------|---|---------|--------------|----------------------------|
| SES-MFS-20060118-00052 | E | E000283 | Vizada, Inc. | 10/09/2001 - 10/09/2011 |
| Modification | | | | Date Effective: 03/27/2008 |
| Grant of Authority | | | | |

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 1000 Inmarsat M full-duplex METs in the United States, VARIOUS

| | | | |
|---------------------------|-------------|----------------------|-------------------------|
| ANTENNA ID: 1 | 0.56 meters | NERA (0.56M(SQUARE)) | SATURN M |
| 1626.5000 - 1660.5000 MHz | 10K0G1W | 27.00 dBW | VOICE, DATA, FAX O-OPSK |
| 1626.5000 - 1660.5000 MHz | 20K0G1X | 21.00 dBW | SIGNALLING BPSK |
| 1525.0000 - 1559.0000 MHz | 10K0G1W | | VOICE, DATA, FAX O-OPSK |
| 1525.0000 - 1559.0000 MHz | 20K0G1X | | SIGNALLING BPSK |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

| | | | | |
|-------------------------------|---|---------|--------------|----------------------------|
| SES-MFS-20060118-00053 | E | E000285 | Vizada, Inc. | 10/09/2001 - 10/09/2011 |
| Modification | | | | Date Effective: 03/27/2008 |
| Grant of Authority | | | | |

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 1000 Inmarsat B Full-duplex METs in the United States, VARIOUS

| | | | | |
|---------------------------|---------|-------------------------|-------------------------|-----------|
| ANTENNA ID: | 1 | 0.8 meters | NERA (80cm x 80cm) | SATURN BM |
| 1626.5000 - 1646.5000 MHz | 20K0G1E | 33.00 dBW | VOICE, DATA, FAX O-QPSK | |
| 1626.5000 - 1646.5000 MHz | 20K0G1X | 25.00 dBW | SIGNALLING BPSK | |
| 1626.5000 - 1646.5000 MHz | 100KG1X | 33.00 dBW | 64KBPS DATA, FAX O-QPSK | |
| 1525.0000 - 1545.0000 MHz | 20K0G1E | VOICE, DATA, FAX O-QPSK | | |
| 1525.0000 - 1545.0000 MHz | 20K0G1X | SIGNALLING BPSK | | |
| 1525.0000 - 1545.0000 MHz | 100KG1X | 64KBPS DATA, FAX O-QPSK | | |

Points of Communication:

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

| | | | | |
|------------------------|---|---------|--------------------|----------------------------|
| SES-MFS-20070511-00637 | E | E990316 | Amtech Systems LLC | 07/02/2006 - 07/02/2010 |
| Modification | | | | Date Effective: 03/27/2008 |
| Grant of Authority | | | | |

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1
LOCATION: 30,000 half-duplex METs in the United States, VARIOUS

| | | | | |
|---------------------------|---------|------------|--------------------------------------|---------|
| ANTENNA ID: | A2 | 0.1 meters | Vistar Telecommunication Inc. | MT-1000 |
| 1626.5000 - 1645.5000 MHz | 20K0G1D | 5.00 dBW | OQPSK/DATA | |
| 1530.0000 - 1544.0000 MHz | 5K00G1D | BPSK/DATA | | |
| ANTENNA ID: | A1 | 0.1 meters | Transcore Link Logistics Corporation | MT-2000 |
| 1626.5000 - 1645.5000 MHz | 20K0G1D | 5.00 dBW | OQPSK/DATA | |
| 1530.0000 - 1544.0000 MHz | 5K00G1D | 0.00 dBW | BPSK/DATA | |

Points of Communication:

- 1 - AMSC 1 - (101 W.L.)
- 1 - INMARSAT 3F4 - (142 W.L.)

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

SES-MFS-20070511-00638 E E030120 Amtech Systems LLC

Modification

07/14/2003 - 07/14/2018

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Mobile Satellite Service

SITE ID: 1

LOCATION: 70,000 half-duplex METs in the United States, VARIOUS

ANTENNA ID: A4 0.1 meters Transcore Link Logistics Corporation MT-3000

1530.0000 - 1544.0000 MHz 5K00G1D BPSK/DATA

1626.5000 - 1645.5000 MHz 20K0G1D 5.00 dBW OQPSK/DATA

ANTENNA ID: A3 0.1 meters Transcore Link Logistics Corporation MT-2000

1626.5000 - 1645.5000 MHz 20K0G1D 5.00 dBW OQPSK/DATA

1530.0000 - 1544.0000 MHz 5K00G1D BPSK/DATA

Points of Communication:

1 - AMSC 1 - (101 W.L.)

1 - INMARSAT 3F4 - (142 W.L.)

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

SES-MFS-20071107-01535 E E010011 Deere & Company

Modification

10/09/2001 - 10/09/2011

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station

Nature of Service: Domestic Land Mobile-Satellite Service, Mobile Satellite Service

SITE ID: Remote 1

LOCATION: up to 10,000 Receive-only METs in the United States

ANTENNA ID: StarFire 0.2 meters John Deere PF80385

1536.1600 - 1536.1600 MHz 2K50D1D BPSK / multi-point data leased services

1535.1525 - 1535.1525 MHz 2K50D1D BPSK

Points of Communication:

Remote 1 - INMARSAT 3F4 - (142 W.L.)

SES-MOD-20071107-01542 E E020074 SATAMATICS, INC.

Application for Modification

03/07/2003 - 03/07/2018

Grant of Authority

Date Effective: 03/27/2008

Class of Station: Mobile Earth Station**Nature of Service:** Mobile Satellite Service

SITE ID: 1

LOCATION: 25,000 INMARSAT D+ half duplex METs throughout in U.S.

| | | | | |
|-------------|---------------------------|-------------|---|---|
| ANTENNA ID: | 1 | 0.11 meters | JRC (Size of MET: 121mm x 121mm x 41mm) | JUE-610 DT |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 sysmbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec. |
| ANTENNA ID: | 2 | 0.11 meters | SKYWAVE | DMR-200 |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 sysmbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec. |
| ANTENNA ID: | 3 | 0.11 meters | SATAMATICS | SAT-101 |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 sysmbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec. |
| ANTENNA ID: | 4 | 0.11 meters | SATAMATICS | SAT-201 |
| | 1626.5000 - 1645.5000 MHz | 2K50F1D | 9.00 dBW | 2 level FSK, 256Hz tone spacing, symbol rates |
| | 1525.0000 - 1544.0000 MHz | 2K50F1D | | Continuous phase 32-ary FSK, 20Hz tone spacing, symbol rate 4 sysmbols/sec or Continuous-phase 32 -ary FSK, 32Hz tone spacing, symbol rate: 16 symbols/sec. |

Points of Communication:

1 - INMARSAT 4F2 - (52.75)

1 - INMARSAT Ltd-3 - (15.5 W.L.)

1 - INMARSAT Ltd-3 - (178 E.L.)

SES-MOD-20071221-01748 E E060428 GCI COMMUNICATION CORP.

Application for Modification

01/16/2007 - 01/16/2022

Grant of Authority

Date Effective: 03/28/2008

Class of Station: Temporary Fixed Earth Station

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: GCI Network Operations Center Temp Fixed #3.8M, VARIOUS

| | | | | |
|---------------------------|---|------------|-----------|---|
| ANTENNA ID: | 1 | 3.8 meters | PATRIOT | TXINT-380Z |
| 5925.0000 - 6425.0000 MHz | | 6K72D7W- | 45.85 dBW | PHASE AND AMPLITUDE MODULATED VOICE, VIDEO AND DATA SERVICES. |
| 5925.0000 - 6425.0000 MHz | | 36M0D7W | 69.31 dBW | PHASE AND AMPLITUDE MODULATED VOICE, VIDEO AND DATA SERVICES. |
| 5925.0000 - 6425.0000 MHz | | 6K72G7W- | 45.85 dBW | PHASE MODULATED VOICE, VIDEO, AND DATA SERVICES. |
| 3700.0000 - 4200.0000 MHz | | 6K72D7W- | | PHASE AND AMPLITUDE MODULATED VOICE, VIDEO AND DATA SERVICES. |
| 3700.0000 - 4200.0000 MHz | | 36M0D7W | | PHASE AND AMPLITUDE MODULATED VOICE, VIDEO AND DATA SERVICES. |
| 3700.0000 - 4200.0000 MHz | | 6K72G7W- | | PHASE MODULATED VOICE, VIDEO, AND DATA SERVICES. |
| 3700.0000 - 4200.0000 MHz | | 36M0G7W | | PHASE MODULATED VOICE, VIDEO, AND DATA SERVICES. |
| 5925.0000 - 6425.0000 MHz | | 36M0G7W | 69.31 dBW | PHASE MODULATED VOICE, VIDEO, AND DATA SERVICES. |

SITE ID: 2

LOCATION: GCI Network Operations Center Temp Fixed 4.5M, VARIOUS

| | | | | |
|---------------------------|---|------------|-----------|---|
| ANTENNA ID: | 2 | 4.5 meters | ANDREW | ES45T-HW-1 |
| 5925.0000 - 6425.0000 MHz | | 6K72D7W- | 46.15 dBW | PHASE AND AMPLITUDE MODULATED VOICE, VIDEO AND DATA SERVICES. |

| | | | |
|---------------------------|----------|-----------|---|
| 5925.0000 - 6425.0000 MHz | 36M0D7W | 69.61 dBW | PHASE AND AMPLITUDE MODULATED VOICE, VIDEO AND DATA SERVICES. |
| 5925.0000 - 6425.0000 MHz | 6K72G7W- | 46.15 dBW | PHASE MODULATED VOICE, VIDEO, AND DATA SERVICES. |
| 5925.0000 - 6425.0000 MHz | 36M0G7W | 69.61 dBW | PHASE MODULATED VOICE, VIDEO, AND DATA SERVICES. |
| 3700.0000 - 4200.0000 MHz | 6K72D7W- | | PHASE AND AMPLITUDE MODULATED VOICE, VIDEO AND DATA SERVICES. |
| 3700.0000 - 4200.0000 MHz | 36M0D7W | | PHASE AND AMPLITUDE MODULATED VOICE, VIDEO AND DATA SERVICES. |
| 3700.0000 - 4200.0000 MHz | 6K72G7W- | | PHASE MODULATED VOICE, VIDEO, AND DATA SERVICES. |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | | PHASE MODULATED VOICE, VIDEO, AND DATA SERVICES. |

Points of Communication:

1 - ALSAT - (ALSAT)

2 - ALSAT - (ALSAT)

| | | | |
|-------------------------------|-----------|-----------------|----------------------------|
| SES-MOD-20080213-00160 | E E950409 | CBS Corporation | 11/03/2005 - 11/03/2020 |
| Application for Modification | | | Date Effective: 03/28/2008 |
| Grant of Authority | | | |

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1

LOCATION: 1555 HAMILTON ST., PHILADELPHIA, PHILADELPHIA, PA
39 ° 57 ' 43.80 " N LAT. 75 ° 9 ' 50.37 " W LONG.

ANTENNA ID: 1 2.4 meters ANDREW ESA24VS-1

| | | | |
|-----------------------------|---------|-----------|---------------------------------------|
| 14000.0000 - 14500.0000 MHz | 36M0D7W | 66.40 dBW | DIGITAL, ANALOG AUDIO, VIDEO, DATA |
|-----------------------------|---------|-----------|---------------------------------------|

| | | | |
|-----------------------------|---------|--|---------------------------------------|
| 11700.0000 - 12200.0000 MHz | 36M0D7W | | DIGITAL, ANALOG AUDIO, VIDEO, DATA |
|-----------------------------|---------|--|---------------------------------------|

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20080219-00174 E E950229 CBS Broadcasting Inc.
Application for Modification 05/12/2005 - 05/12/2020
Grant of Authority Date Effective: 03/28/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 22 WEST WASHINGTON STREET, COOK, CHICAGO, IL
 41 ° 53 ' 1.40 " N LAT. 87 ° 37 ' 45.50 " W LONG.

| | | | | |
|-----------------------------|---------|------------|-----------------------------|-----------|
| ANTENNA ID: | 1 | 3.7 meters | ANDREW | ESA37-124 |
| 14000.0000 - 14500.0000 MHz | 36M0F3F | 70.40 dBW | ANALOG, VIDEO, AUDIO, DATA | |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 70.40 dBW | DIGITAL, VIDEO, AUDIO, DATA | |
| 11700.0000 - 12200.0000 MHz | 36M0F3F | | ANALOG, VIDEO, AUDIO, DATA | |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | DIGITAL, VIDEO, AUDIO, DATA | |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-MOD-20080220-00176 E E980216 CBS COMMUNICATIONS SERVICES INC.
Application for Modification 06/19/1998 - 06/19/2008
Grant of Authority Date Effective: 03/28/2008

Class of Station: Fixed Earth Stations

Nature of Service: Fixed Satellite Service

SITE ID: 1
LOCATION: 4200 RADFORD AVE., STUDIO CITY, STUDIO CITY, CA
 34 ° 8 ' 50.05 " N LAT. 118 ° 23 ' 25.05 " W LONG.

| | | | | |
|-----------------------------|---------|------------|----------------------------|-------------|
| ANTENNA ID: | 1 | 2.4 meters | PRODELIN | SERIES 1244 |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 66.40 dBW | DIGITAL AUDIO, VIDEO, DATA | |
| 11700.0000 - 12200.0000 MHz | 36M0G7W | | DIGITAL AUDIO, VIDEO, DATA | |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-RWL-20080325-00354 E E980161 Commonwealth of Kentucky-Kentucky Authority for Educational Television
Renewal 05/08/2008 - 05/08/2023
Grant of Authority Date Effective: 03/27/2008

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

| | | | | |
|-------------|-----------------------------|------------|----------------------|------------------------------|
| ANTENNA ID: | 1 | 1.2 meters | SIERRA NETWORKS, INC | 2690 SERIES VPS 1.2M |
| | 14000.0000 - 14500.0000 MHz | 36M0G72 | 61.60 dBW | QPSK; DIGITAL DATA AND VIDEO |
| | 11700.0000 - 12200.0000 MHz | 36M0G7W | | QPSK; DIGITAL DATA AND VIDEO |

Points of Communication:

1 - ALSAT - (ALSAT)

| | | | | |
|-------------------------------|---|---------|-------------------------------|----------------------------|
| SES-RWL-20080327-00364 | E | E970071 | Crawford Communications, Inc. | |
| Renewal | | | | 03/28/2008 - 03/28/2023 |
| Grant of Authority | | | | Date Effective: 03/28/2008 |

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

| | | | | |
|-------------|---------------------------|------------|-----------|-------------------|
| ANTENNA ID: | 1 | 4.1 meters | COMTECH | "18FT" (OFFSAT) |
| | 5945.0000 - 6405.0000 MHz | 36M0F3F | 72.40 dBW | ANALOG TV & VIDEO |
| | 5945.0000 - 6405.0000 MHz | 4M00G7W- | 65.90 dBW | HDTV SERVICES |
| | 5945.0000 - 6405.0000 MHz | 36M0G7W | 75.44 dBW | HDTV SERVICES |

Points of Communication:

1 - ALSAT - (ALSAT)

| | | | | |
|-------------------------------|---|---------|------------------------------------|----------------------------|
| SES-RWL-20080327-00365 | E | E880629 | Black Entertainment Television LLC | |
| Renewal | | | | 04/29/2008 - 04/29/2023 |
| Grant of Authority | | | | Date Effective: 03/28/2008 |

Class of Station: Fixed Earth Stations

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: 1899 9TH STREET, WASHINGTON, DC
38 ° 54 ' 55.40 " N LAT. 76 ° 59 ' 31.90 " W LONG.

| | | | | |
|-------------|---------------------------|-----------|--------------------|------|
| ANTENNA ID: | 1 | 10 meters | SCIENTIFIC ATLANTA | 8015 |
| | 5925.0000 - 6425.0000 MHz | 4M00G7F | 79.20 dBW | TV |

| | | | |
|---------------------------|---------|-----------|--|
| 5925.0000 - 6425.0000 MHz | 51K2G7W | 50.30 dBW | COMBINATION, DATA, TELEMETRY, CONTROL |
| 5925.0000 - 6425.0000 MHz | 36M0G7F | 79.20 dBW | TV |
| 5925.0000 - 6425.0000 MHz | 36M0G7D | 84.40 dBW | DATA, TELEMETRY, CONTROL |
| 5925.0000 - 6425.0000 MHz | 36M0G7W | 84.40 dBW | COMBINATION, DATA TV |
| 5925.0000 - 6425.0000 MHz | 36M0F3F | 84.40 dBW | TV |
| 3700.0000 - 4200.0000 MHz | 4M00G7F | | TV |
| 3700.0000 - 4200.0000 MHz | 51K2G7D | | DATA, TELEMETRY, CONTROL |
| 3700.0000 - 4200.0000 MHz | 51K2G7D | | DATA |
| 3700.0000 - 4200.0000 MHz | 36M0G7F | | TV |
| 3700.0000 - 4200.0000 MHz | 36M0G7D | | DATA, TELEMETRY, CONTROL |
| 3700.0000 - 4200.0000 MHz | 36M0G7W | | COMBINATION , DATA TV |
| 3700.0000 - 4200.0000 MHz | 36M0F3F | | TV |

Points of Communication:

1 - ALSAT - (ALSAT)

| | | | |
|-------------------------------|-----------|-----------------------------------|----------------------------|
| SES-RWL-20080328-00370 | E E980107 | Arctek Satellite Productions, LLC | |
| Renewal | | | 02/27/2008 - 02/27/2023 |
| Grant of Authority | | | Date Effective: 04/01/2008 |

Class of Station: Temporary Fixed Earth Station

Nature of Service: Domestic Fixed Satellite Service

SITE ID: 1
LOCATION: VARIOUS

| | | | |
|-----------------------------|------------|----------------|---|
| ANTENNA ID: 1 | 1.8 meters | AVL TECHNOLOGY | 1800 USA SNG |
| 14000.0000 - 14500.0000 MHz | 36M0G7W | 72.72 dBW | ONE 36 MBIT MCPC DIGITAL CARRIER FOR VOICE/DATA |
| 14000.0000 - 14500.0000 MHz | 36M0F8W | 72.72 dBW | ONW WIDEBAND 36 MHZ FREQUENCY MODULATION VIDEO CARRIER WITH ASSOCIATED AUDIO AND ATIS SUBCARRIER |

Points of Communication:

1 - ALSAT - (ALSAT)

SES-STA-20080325-00355 E Fuji Television Network, Inc.
Special Temporary Authority
Grant of Authority

Date Effective: 04/01/2008

Class of Station:

Extension of special temporary authority is GRANTED for an additional 30 days beginning April 8, 2008 and ending May 8, 2008.

Points of Communication:

SES-T/C-INTR2008-00748 E HEARST-ARGYLE TELEVISION, INC.
Application for Consent to Transfer of Control
Withdrawn

Date Effective: 03/31/2008

Current Licensee: Hearst-Argyle Television, Inc.
FROM: c/o Brooks, Pierce, et al.
TO: Trustees of the Hearst Family Trust

No. of Station(s) listed: 1

SES-T/C-INTR2008-00760 E WPBF-TV COMPANY
Application for Consent to Transfer of Control
Withdrawn

Date Effective: 03/31/2008

Current Licensee: WPBF-TV Company
FROM: c/o Brooks, Pierce, et al.
TO: Trustees of the Hearst Family Trust

No. of Station(s) listed: 1

Dismissal

SES-STA-20061221-02206 E030120 Amtech Systems LLC

Amtech Systems LLC requests for special temporary authority is dismissed as MOOT. See modification application GRANTED March 27, 2008. (File No. SES-MFS-20070511-00638)

SES-STA-20061221-02207 E990316 Amtech Systems LLC

Amtech Systems LLC requests for special temporary authority is dismissed as MOOT. See modification application GRANTED March 27, 2008. (File No. SES-MFS-20070511-00637)

SES-STA-20071129-01630 E030120 Amtech Systems LLC

Amtech Systems LLC requests for special temporary authority is dismissed as MOOT. See modification application GRANTED March 27, 2008. (File No. SES-MFS-20070511-00638)

SES-STA-20071129-01633 E990316 Amtech Systems LLC

Amtech Systems LLC requests for special temporary authority is dismissed as MOOT. See modification application GRANTED March 27, 2008. (File No. SES-MFS-20070511-00637)

SES-STA-20080324-00347 E030055 SkyWave Mobile Communications, Corp.

SkyWave Mobile Communications Corp. request for special temporary authority is dismissed as MOOT. See SES-MFS-20051207-01709, GRANTED March 27, 2008.

SES-STA-20080327-00363 E080071 DA URBIN INC d.b.a DUB PRODUCTIONS

Special Temporary Authority request is dismissed as Moot, due to applicant's Ku-Band Temporary Fixed application SES-LIC-20080327-00359 being placed on Public Notice. See DA 06-1222, released June 7, 2006.

INFORMATIVE

SES-STA-20080207-00137 E020074 SATAMATICS, INC.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20061221-02209. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080305-00229 E050249 Stratos Communications, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20060310-00419. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

INFORMATIVE

SES-STA-20080312-00288 E010047 Stratos Communications, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20051216-01761. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080312-00289 E010048 Stratos Communications, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20051216-01762. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080312-00291 E010049 Stratos Communications, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20051216-01763. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080312-00293 E000180 Stratos Communications, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20051216-01760. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080314-00309 E030055 SkyWave Mobile Communications, Corp.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20051222-01788. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080314-00310 KA313 Vizada, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20071218-01715. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080314-00311 WB36 Vizada, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20071218-01714. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080314-00312 E000280 Vizada, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20071218-01713. That authorization was for 1000 Inmarsat M-4 Terminals. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080314-00313 E000282 Vizada, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20071218-01712. That authorization was for 1000 Inmarsat Mini-M Terminals. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080314-00314 E000283 Vizada, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20071218-01711. That authorization was for 1000 Inmarsat M Terminals. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

SES-STA-20080314-00316 E000285 Vizada, Inc.

The FCC has taken the administrative action of listing this request as granted. The request sought continuation of operations authorized in File No. SES-STA-20071218-01709. That authorization was for 1000 Inmarsat B Terminals. The stations operated during the requested period pursuant to Section 1.62 of the Commission's rules, subject to the conditions specified in the original authorization.

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