

Prepared By

COMSEARCH

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Prepared For

**Intelsat License LLC
FILLMORE, CALIFORNIA**

Temporary Transmit-Only Earth Station
Operation Dates: 07/20/2012 - 09/20/2012

Pursuant to Part 25.203(c) of the FCC Rules and Regulations, the satellite earth station proposed in this application was coordinated by Comsearch using computer techniques and in accordance with Part 25 of the FCC Rules and Regulations. Verbal and written coordination was conducted with the below listed carriers on July 9, 2012.

Company

3G Wireless, LLC
ABC Holding Company Inc.
AERIAL VIDEO SYSTEMS
ALASCOM, INC.
AT&T California
Ascent Media Network Services, LLC
BROADCAST COMMUNICATIONS INC
Bellsouth Telecommunications, Inc.
BFI Licenses, LLC
Board of Trustees for San Diego Univ
Borgeson, Tom R.
Broadcast Sports Inc.
CBS Broadcasting Inc
CNG Communications, Inc.
CP Communications PA, LLC
COCOLA BROADCASTING COMPANIES LLC
COWLES CALIFORNIA MEDIA COMPANY
Carolina Telephone and Telegraph Co
Casper, John
CenturyTel of the Southwest, Inc.
Channel 51 of San Diego, Inc.
Chicago Comnet Corp
Cincinnati Bell Wireless LLC
Citywide News Network, Inc.
Cohen, Elana
Community TV of Southern California
Cowboys Stadium LP
DCI II, INC.
DIOCESE OF FRESNO EDUCATION CORP.
Direct Broadcast Services, Inc.

Company (Continued)

ELLIS COMMUNICATIONS KDOC LICENSEE, LLC
ENTRAVISION HOLDINGS, LLC
FOX TELEVISION STATIONS, INC.
Federal Communications Commission
Fisher Broadcasting - California TV LLC
Fishman Brothers Enterprises
GOODYEAR TIRE AND RUBBER COMPANY
GSN New, Inc
GULF-CALIFORNIA BROADCAST COMPANY
HERO LICENSECO LLC
HF Enterprises, Inc
Hallco Unlimited, Inc.
Hawaiian Telcom, Inc.
Heiden Mr., William
High Plains Broadcasting License Company
INDIANA BELL TELEPHONE COMPANY INC
Illinois Bell Telephone Company
Information & Display Systems, Inc.
Information Super Station, LLC
International Communications Group, Inc.
JOURNAL BROADCAST CORPORATION
KFSN TELEVISION, LLC
KFTV License Partnership GP
KMEX License Partnership GP
KRCA License, LLC
KSBY Communications Inc
KSLs INC
KSWB INC
KTLA INC
KUVI LICENSE PARTNERSHIP, G.P.
KVMD LICENSEE CO, LLC
Kentucky RSA #3 Cellular General Partner
Kentucky RSA #4 Cellular General Partner
LOS ANGELES TELEVISION STATION KCAL LLC
MERCURY COMMUNICATIONS
MIDWEST TELEVISION INC.
MORONGO BASIN TV CLUB INC
Metro Networks Communications, Inc
Metrosat Communications Inc..
Michigan Bell Telephone Company
Moreen, Steven K
NBC TELEMUNDO LICENSE LLC
NEW ENGLAND DIGITAL DISTRIBUTION, INC.
NEW ENGLAND SATELLITE SYSTEMS INC
NSM Surveillance
Navajo Communications Company
NorthWest Suburbs Community Access Corp
Ohio Bell Telephone Company
On Scene Video Production
Onboard Images

Company (Continued)

Penn Service Microwave Co., Inc.
Plateau Telecommunications, Inc.
Plum TV, LLC
Production & Satellite Services, Inc.
Public Television Communications Center
QUICK LINK CONNECTIONS INC
QWEST CORPORATION
RAUL AND CONSUELO PALAZUELOS
RCC Minnesota Inc. - MN NE ND SD
REMOTE FACILITIES CONSULTING SERVICES
RF Central, LLC
RF Film, Inc
RF Technology, LLC
Radiofone, Inc.
Randy Hermes Production
Regulus Media Services, Inc.
Remote Broadcasts, Inc.
STATION VENTURE OPERATIONS, LP
San Bernardino Community Col Dis KVCR-TV
Scripps Media, Inc.
Smith Media License Holdings, LLC (KEYT)
Southwestern Bell Telephone L.P.
Speedshotz, Inc
TELEFUTURA FRESNO LLC
TTBG/KMPH LICENSE SUB, LLC
Telefutura Bakersfield LLC
Telefutura Los Angeles LLC - KFTR-TV
Total RF Marketing Inc
Trinity Broadcasting Network Inc
Trinity Christian Center of Santa Ana
UNA VEZ MAS SANTA MARIA LICENSE, LLC
UNIVISION BAKERSFIELD LLC
Unisat, Inc.
United Telephone - Southeast
VERIZON SOUTH INC.
Valley Public Television, Inc.
Verizon California Inc.
Verizon Maryland, Inc.
Verizon New England Inc.
Verizon New Jersey, Inc.
Verizon New York, Inc.
Verizon North Inc.
Verizon Northwest Inc.
Verizon Pennsylvania, Inc.
Verizon Virginia, Inc.
Verizon Washington DC, Inc.
Village Video Productions Inc
Vyvx, LLC
Westar Satellite Services LP
Western Technical Services

Company (Continued)

Wexler Video, Inc.
Winged Vision
Wisconsin Bell, Inc.
Wolfe Air Aviation

Society of Broadcast Engineers:

Arizona – Entire State

California – Fresno
Northern California
Sacramento
Monterrey
San Diego
San Francisco/San Jose
Southern California

Nevada – Reno
Southern

Oregon – Entire State

There are no unresolved interference objections with the stations contained in these applications.

The following section presents the data pertinent to frequency coordination of the proposed earth station that was circulated to all carriers within its coordination contours.

**COMSEARCH
Earth Station Data Sheet**

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Date: 07/12/2012
Job Number: 120709COMSJC08

Administrative Information

Status TEMPORARY (Operation from 07/20/2012 to 09/20/2012)
Call Sign TEMP09
Licensee Code INTELS
Licensee Name Intelsat License LLC

Site Information **FILLMORE, CALIFORNIA**

Venue Name
Latitude (NAD 83) 34° 24' 22.0" N
Longitude (NAD 83) 118° 53' 37.4" W
Climate Zone A
Rain Zone 4
Ground Elevation (AMSL) 313.94 m / 1030.0 ft

Link Information

Satellite Type Low Earth Orbit
Mode TO - Transmit-Only
Modulation Digital
Minimum Elevation Angle 5.0°
Azimuth Range 0.0° to 360°
Antenna Centerline (AGL) 8.23 m / 27.0 ft

Antenna Information

Manufacturer Scientific-Atlanta
Model 10.3 Meter
Gain / Diameter 53.8 dBi / 10.3 m
3-dB / 15-dB Beamwidth 0.40° / 0.60°

Transmit

| | | |
|--------------------------|-------------|--------------------------|
| Max Available RF Power | (dBW/4 kHz) | 10.9 |
| | (dBW/MHz) | 34.9 |
| Maximum EIRP | (dBW/4 kHz) | 64.7 |
| | (dBW/MHz) | 88.0 |
| | (dBW) | 88.0 |
| Interference Objectives: | Long Term | -154.0 dBW/4 kHz 20% |
| | Short Term | -131.0 dBW/4 kHz 0.0025% |

Frequency Information

Emission / Frequency Range (MHz) 850KFXD / 7026.25

Transmit 7.0 GHz

Max Great Circle Coordination Distance 347.9 km / 216.2 mi
Precipitation Scatter Contour Radius 330.4 km / 205.3 mi

COMSEARCH Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

| | | |
|----------------------------|-------------------------------|-------------------------------|
| Coordination Values | FILLMORE, CA | |
| Licensee Name | Intelsat License LLC | |
| Latitude (NAD 83) | 34° 24' 22.0" N | |
| Longitude (NAD 83) | 118° 53' 37.4" W | |
| Ground Elevation (AMSL) | 313.94 m / 1030.0 ft | |
| Antenna Centerline (AGL) | 8.23 m / 27.0 ft | |
| Antenna Model | Scientific-Atlanta 10.3 Meter | |
| Antenna Mode | Transmit 7.0 GHz | |
| Interference Objectives: | Long Term | -154.0 dBW/4 kHz 20% |
| | Short Term | -131.0 dBW/4 kHz 0.0025% |
| Max Available RF Power | 10.9 (dBW/4 kHz) | |

| Azimuth (°) | Horizon Elevation (°) | Antenna Discrimination (°) | Transmit 7.0 GHz | |
|-------------|-----------------------|----------------------------|--------------------|----------------------------|
| | | | Horizon Gain (dBi) | Coordination Distance (km) |
| 0 | 9.45 | 76.90 | -10.00 | 256.40 |
| 5 | 9.81 | 73.28 | -10.00 | 256.40 |
| 10 | 11.84 | 70.32 | -10.00 | 256.40 |
| 15 | 10.91 | 66.54 | -10.00 | 256.40 |
| 20 | 12.89 | 64.07 | -10.00 | 256.40 |
| 25 | 13.83 | 61.45 | -10.00 | 256.40 |
| 30 | 11.05 | 56.89 | -10.00 | 256.40 |
| 35 | 11.05 | 53.97 | -10.00 | 256.40 |
| 40 | 11.16 | 51.36 | -10.00 | 256.40 |
| 45 | 12.08 | 49.66 | -10.00 | 256.40 |
| 50 | 12.02 | 47.53 | -10.00 | 256.40 |
| 55 | 12.02 | 45.80 | -10.00 | 256.40 |
| 60 | 11.89 | 44.32 | -10.00 | 256.40 |
| 65 | 10.13 | 41.66 | -10.00 | 256.40 |
| 70 | 10.13 | 41.15 | -10.00 | 256.40 |
| 75 | 10.13 | 41.13 | -7.96 | 269.20 |
| 80 | 8.91 | 40.41 | -4.20 | 292.90 |
| 85 | 8.91 | 41.41 | 0.77 | 324.20 |
| 90 | 6.32 | 40.56 | 4.53 | 347.90 |
| 95 | 6.32 | 42.59 | 4.53 | 347.90 |
| 100 | 6.32 | 45.00 | 4.53 | 347.90 |
| 105 | 6.35 | 47.76 | 4.53 | 347.90 |
| 110 | 5.84 | 50.44 | 4.53 | 347.90 |
| 115 | 4.00 | 52.69 | 4.53 | 347.90 |
| 120 | 2.01 | 55.33 | 4.53 | 347.90 |
| 125 | 1.94 | 59.11 | 4.53 | 347.90 |
| 130 | 2.44 | 63.20 | 4.53 | 347.90 |
| 135 | 2.62 | 67.23 | 4.53 | 347.90 |
| 140 | 2.67 | 71.27 | 4.53 | 347.90 |
| 145 | 2.87 | 75.38 | 4.53 | 347.90 |
| 150 | 2.62 | 79.46 | 4.53 | 347.90 |
| 155 | 3.19 | 83.65 | 4.53 | 347.90 |
| 160 | 2.85 | 87.77 | 4.53 | 347.90 |
| 165 | 3.52 | 91.91 | 4.53 | 347.90 |
| 170 | 3.28 | 96.04 | 4.53 | 347.90 |
| 175 | 3.00 | 100.19 | 4.53 | 347.90 |
| 180 | 2.53 | 104.38 | 4.53 | 347.90 |
| 185 | 2.35 | 108.51 | 4.53 | 347.90 |

COMSEARCH
Earth Station Data Sheet

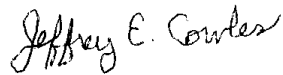
19700 Janelia Farm Boulevard, Ashburn, VA 20147
 (703)726-5500 <http://www.comsearch.com>

| | |
|------------------------------------|-------------------------------|
| Coordination Values | FILLMORE, CA |
| Licensee Name | Intelsat License LLC |
| Latitude (NAD 83) | 34° 24' 22.0" N |
| Longitude (NAD 83) | 118° 53' 37.4" W |
| Ground Elevation (AMSL) | 313.94 m / 1030.0 ft |
| Antenna Centerline (AGL) | 8.23 m / 27.0 ft |
| Antenna Model | Scientific-Atlanta 10.3 Meter |
| Antenna Mode | Transmit 7.0 GHz |
| Interference Objectives: Long Term | -154.0 dBW/4 kHz 20% |
| Short Term | -131.0 dBW/4 kHz 0.0025% |
| Max Available RF Power | 10.9 (dBW/4 kHz) |

| Azimuth (°) | Horizon Elevation (°) | Antenna Discrimination (°) | Transmit 7.0 GHz | |
|-------------|-----------------------|----------------------------|--------------------|----------------------------|
| | | | Horizon Gain (dBi) | Coordination Distance (km) |
| 190 | 2.28 | 112.57 | 4.53 | 347.90 |
| 195 | 0.78 | 117.05 | 4.53 | 347.90 |
| 200 | 0.41 | 121.18 | 4.53 | 347.90 |
| 205 | 1.23 | 124.74 | 4.53 | 347.90 |
| 210 | 0.97 | 128.61 | 4.53 | 347.90 |
| 215 | 0.94 | 132.22 | 4.53 | 347.90 |
| 220 | 0.00 | 136.21 | 4.53 | 347.90 |
| 225 | 0.00 | 139.42 | 4.53 | 347.90 |
| 230 | 0.00 | 142.31 | 4.53 | 347.90 |
| 235 | 0.00 | 144.80 | 4.53 | 347.90 |
| 240 | 0.00 | 146.79 | 4.53 | 347.90 |
| 245 | 0.00 | 148.21 | 4.53 | 347.90 |
| 250 | 0.00 | 148.95 | 4.53 | 347.90 |
| 255 | 0.00 | 148.97 | 4.53 | 347.90 |
| 260 | 0.00 | 148.28 | 4.53 | 347.90 |
| 265 | 0.00 | 146.92 | 4.53 | 347.90 |
| 270 | 0.00 | 144.96 | 4.53 | 347.90 |
| 275 | 1.12 | 141.62 | 0.77 | 324.20 |
| 280 | 1.30 | 138.71 | -4.20 | 292.90 |
| 285 | 2.93 | 134.56 | -7.96 | 269.20 |
| 290 | 4.19 | 130.57 | -10.00 | 256.40 |
| 295 | 4.04 | 127.29 | -10.00 | 256.40 |
| 300 | 4.42 | 123.56 | -10.00 | 256.40 |
| 305 | 3.72 | 120.18 | -10.00 | 256.40 |
| 310 | 3.09 | 116.58 | -10.00 | 256.40 |
| 315 | 2.76 | 112.74 | -10.00 | 256.40 |
| 320 | 3.33 | 108.58 | -10.00 | 256.40 |
| 325 | 4.75 | 104.28 | -10.00 | 256.40 |
| 330 | 5.93 | 100.12 | -10.00 | 256.40 |
| 335 | 7.78 | 95.99 | -10.00 | 256.40 |
| 340 | 8.25 | 92.08 | -10.00 | 256.40 |
| 345 | 9.31 | 88.23 | -10.00 | 256.40 |
| 350 | 9.65 | 84.45 | -10.00 | 256.40 |
| 355 | 9.64 | 80.68 | -10.00 | 256.40 |

Certification

I hereby certify that I am the technically qualified person responsible for the preparation of the frequency coordination data contained in this report. I am familiar with Parts 101 and 25 of the FCC Rules and Regulations and I have either prepared or reviewed the frequency coordination data submitted with this report, and that it is complete and correct to the best of my knowledge and belief.



Jeffrey E. Cowles
Engineer III, Telecommunications
COMSEARCH
19700 Janelia Farm Blvd.
Ashburn, Va. 20147

DATED: July 12, 2012