

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: 03/01/2015 - 07/05/2015

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 January 30, 2015.

Company

AT&T California
AirSites2000, LLC
Area Energy LLC
BNSF Railway Company
Boeing Company
CBS Broadcasting Inc
CBS Communication Services Inc
CCO SoCal I, LLC
California, State of
Cellco Partnership - California
Chevron USA Inc.
City of Glendale
City of Los Angeles Dept Water & Power
City of Pomona
Coachella Valley Water District
El Paso Natural Gas Company, LLC
Federal Communications Commission
Freeport-McMoRan Oil & Gas LLC
Fresno MSA Limited Partnership
Fresno, County of
GTE Mobilnet of California LTD Partnersh
GTE Mobilnet of Santa Barbara LTD Ptnsh
GULF-CALIFORNIA BROADCAST COMPANY
Glendale, City of
HARRIS CORPORATION
INCOMM DIVISION CHURCH OF SCIENTOLOGY
Imperial Irrigation District
Kern Ed Telecom Consortium
Kern, County of

Company (Continued)

LOS ANGELES UNIFIED SCHOOL DISTRICT
Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works
Los Angeles County FCC Licensing Section
Los Angeles County Metro Transit Auth
Los Angeles SMSA Ltd. Partnership
MHO Networks
MOBILE RELAY ASSOCIATES INC
Metropolitan Water Dist of So California
Mile High Inc
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS LLC - N CAL
New Cingular Wireless PCS LLC -San Diego
Nextel of California Inc.
Orange, County of, CA
PACIFIC PIPELINE SYSTEM LLC
Pacific Gas and Electric Company
Palomar Observatory California Institute
Paramount Farming Company, LLC.
Riverside, County of
San Bernardino County of California
San Diego Gas & Electric Company
San Diego, City of
San Diego, County of
San Luis Obispo, County of
Santa Barbara Cellular Systems, Ltd.
Santa Barbara, County of
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
Sprint Telephony PCS, L.P.
Station Venture Operations, LP
T-Mobile License LLC
TV MICROWAVES CO
Tulare, County of
Ultimate Internet Access, Inc
Union Pacific Railroad Company
University of California, HPWREN
VENOCO, INC.
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAW) LLC (Southern CA)
Verizon Wireless (VAW) LLC-N CA/NV
3G Wireless, LLC
ABC Holding Company Inc.
AERIAL VIDEO SYSTEMS
Alascom Inc
Ascent Media Network Services, LLC
Bellsouth Telecommunications, Inc.
BFI Licenses, LLC
Board of Trustees for San Diego Univ

Company (Continued)

Borgeson, Tom R.
Broadcast Sports Inc.
CNG Communications, Inc.
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
Circuit of the Americas, LLC
Citywide News Network, Inc.
Cocola Broadcasting Companies LLC
Cohen, Elena
County Service Area 70 - TV 5
Cowboys Stadium LP
CP Communications, LLC
DCI II, INC.
DIOCESE OF FRESNO EDUCATION CORP.
Direct Broadcast Services, Inc.
ELLIS COMMUNICATIONS KDOC LICENSEE, LLC
Entravision Holdings, LLC
Fishman Brothers Enterprises
Fox Television Stations, Inc.
GOODYEAR TIRE AND RUBBER COMPANY
GSN New, Inc
HF Enterprises, Inc
Hallco Unlimited, Inc.
Hawaiian Telcom, Inc.
Heiden, William
Illinois Bell Telephone Company
Indiana Bell Telephone Company
Information & Display Systems, Inc.
Information Super Station, LLC
International Communications Group, Inc.
KCETLink
KFSN Television, LLC
KFTV License Partnership GP
KMEX License Partnership GP
KMPH Licensee, LLC
KRCA License LLC
KSBY Communications, LLC
KSWB, LLC
KTLA, LLC
KUVI LICENSE PARTNERSHIP, G.P.
KVMD LICENSEE CO, LLC
Kentucky RSA #3 Cellular General Partner
Kentucky RSA #4 Cellular General Partner
Loop Inc.
LOS ANGELES TELEVISION STATION KCAL LLC
MERCURY COMMUNICATIONS
MIDWEST TELEVISION INC

Company (Continued)

Metrosat Communications Omc.
Metro Networks Communications, Inc.
Michigan Bell Telephone Company
Microwave Video System, LLC
Moreen, Steven K
National Football League
NBC Telemundo License LLC
NEW ENGLAND DIGITAL DISTRIBUTION, INC.
NEW ENGLAND SATELLITE SYSTEMS INC
NEXSTAR BROADCASTING, INC.
NPG of California, LLC
NRJ TV LA License Co, LLC
NSM Surveillance
Navajo Communications Company
NorthWest Suburbs Community Access Corp
Northstar Santa Maria License, LLC
OHIO BELL TELEPHONE COMPANY
OTA Broadcasting (PSP), LLC
Onboard Images
Pacific Television Center
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
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
Raul & Consuelo Palazuelos
Regulus Media Services, Inc.
Remote Broadcasts, Inc.
San Bernardino Community Col Dis KVCR-TV
Scripps Media, Inc. - KERO TV
Scripps Media, Inc. - KGTV
Sinclair Bakersfield Licensee, LLC
Southwestern Bell Telephone L.P.
Speedshotz, Inc
Texas A&M University, Athletic Department
Total RF Marketing Inc
Trinity Broadcasting Network Inc
Trinity Christian Center of Santa Ana
UNIVISION BAKERSFIELD LLC
Unimas Bakersfield
Unimas Fresno LLC
Unimas Los Angeles LLC

Company (Continued)

Unisat, Inc.
United Telephone - Southeast
VERIZON SOUTH INC.
VISTAWEST CALIFORNIA, LLC
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.
Verizon Wireless (VAW) LLC (Southern CA)
Verizon Wireless (VAW) LLC-N CA/NV
Village Video Productions Inc
Vitec Broadcast Services, Inc.
Vyvx, LLC
Westar Satellite Services LP
Western Technical Services
Wexler Video, Inc.
Winged Vision Inc
Wisconsin Bell, Inc.
Wolfe Air Aviation

Society of Broadcast Engineers (SBE)

Arizona: Entire State (Mr. Karl Voss)

California: Fresno Region (Mr. Pat Fennacy)
Southern California (Mr. Howard Fine)
San Diego Region (Mr. Fred Swift)

Nevada: Southern Region (Mr. Jack Smith)

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: 02/13/2015
Job Number: 150130COMSJC01

Administrative Information

| | |
|---------------|---|
| Status | TEMPORARY (Operation from 03/01/2015 to 07/05/2015) |
| Call Sign | TEMP07 |
| 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 | Analog and Digital |
| Minimum Elevation Angle | 5.0° |
| Azimuth Range | 0.0° to 360° |
| Antenna Centerline (AGL) | 8.23 m / 27.0 ft |

Antenna Information

Transmit

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

| | | |
|------------------------|-------------|------|
| Max Available RF Power | (dBW/4 kHz) | 10.9 |
| | (dBW/MHz) | 34.9 |

| | | |
|--------------|-------------|------|
| Maximum EIRP | (dBW/4 kHz) | 64.7 |
| | (dBW/MHz) | 88.7 |
| | (dBW) | 88.0 |

| | | | |
|--------------------------|------------|------------------|---------|
| Interference Objectives: | Long Term | -154.0 dBW/4 kHz | 20% |
| | Short Term | -131.0 dBW/4 kHz | 0.0025% |

Frequency Information

Transmit 6.7 GHz

| | |
|----------------------------------|------------------|
| Emission / Frequency Range (MHz) | 850KFXD / 6535.0 |
|----------------------------------|------------------|

| | |
|--|---------------------|
| Max Great Circle Coordination Distance | 347.9 km / 216.2 mi |
| Precipitation Scatter Contour Radius | 325.4 km / 202.2 mi |

COMSEARCH

Earth Station Data Sheet

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| | | | |
|------------------------------------|-------------------------------|---------|--|
| 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 6.7 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 6.7 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 |

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Earth Station Data Sheet

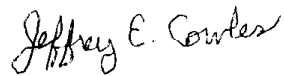
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| Coordination Values | FILLMORE, CA |
| Licensee Name | Intelsat License LLC |
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| Ground Elevation (AMSL) | 313.94 m / 1030.0 ft |
| Antenna Centerline (AGL) | 8.23 m / 27.0 ft |
| Antenna Model | Scientific-Atlanta 10.3 Meter |
| Antenna Mode | Transmit 6.7 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 6.7 GHz | |
|-------------|-----------------------|----------------------------|--------------------|----------------------------|
| | | | Horizon Gain (dBi) | Coordination Distance (km) |
| 185 | 2.35 | 108.51 | 4.53 | 347.90 |
| 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: February 13, 2015