

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: 05/05/2011 - 07/05/2011

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 March 8, 2011.

Company

AERA ENERGY LLC
AT&T California
AT&T Mobility Wireless Ops Hldgs- PNW Mk
BNSF Railway Company
Boeing Company
CARITAS TELECOMMUNICATIONS
CBS Broadcasting Inc
CBS Communications Services
CITY OF POMONA COMMUNICATIONS
California, State of
Cellco Partnership - California
Chevron USA Inc.
Coachella Valley Water District
El Paso Natural Gas Company
Exxon Communications Company
FALCON CABLEVISION, A CALIFORNIA L.P.
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
LOS ANGELES CITY WATER & POWER
LOS ANGELES UNIFIED SCHOOL DISTRICT

Company (Continued)

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
MOBILE RELAY ASSOCIATES INC
Metropolitan Water Dist of So California
Mile High Inc
NEXTEL OF CALIFORNIA INC
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS LLC - N CAL
New Cingular Wireless PCS LLC -San Diego
ORANGE, COUNTY OF, CA
PACIFIC PIPELINE SYSTEM LLC
Pacific Gas and Electric Company
Palomar Observatory California Institute
Paramount Farming Company, LLC.
Plains Exploration & Production Company
RIVERSIDE COUNTY OF
SAN DIEGO COUNTY
SAN DIEGO, CITY OF
SAN LUIS OBISPO COUNTY
SANTA BARBARA COUNTY
San Bernardino County of California
San Diego Gas & Electric Company
Santa Barbara Cellular Systems, Ltd.
Southern California Edison Company
Southern California Gas Company
Sprint Telephony PCS, L.P.
T-Mobile License LLC
TULARE, COUNTY OF
TV MICROWAVES CO
Union Pacific Railroad Company
University of California,HPWREN
VENOCO, INC.
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAW) LLC (CA)
WWC License L.L.C

Society of Broadcast Engineers (SBE)

Arizona Entire State

Nevada KVVU – Reno Area
KRNO – Southern Area

California Northern California Area
Fresno Area
Sacramento Area

Society of Broadcast Engineers (Continued)

California Salinas/Monterey Area
San Diego Area
San Francisco /San Jose
Southern California Area

Local Television Transmission Service (LTTS)

AT&T California
Bellsouth Telecommunications, Inc.
Cincinnati Bell Telephone Company
Hawaii Telecom, Inc.
Indiana Bell Telephone Company
Illinois Bell Telephone Company
Michigan Bell Telephone
Ohio Bell Telephone Company
Southwestern Bell Telephone Company
Wisconsin Bell Inc.
Verizon California, Inc.
Verizon Delaware, Inc.
Verizon Maryland, Inc.
Verizon New England, Inc.
Verizon New Jersey, Inc
Verizon New York, Inc.
Verizon North, Inc.
Verizon Pennsylvania, Inc
Verizon Virginia, Inc.
Verizon Washington DC, Inc.
ALASCOM, Inc.
Chicago Comnet Corp.
Ascent Media Network Services, LLC
Borgeson, Tom R.
Mercury Communications
Quick Link Connections, Inc.
Direct Broadcasting Service, Inc.
Village Video Production, Inc.
New England Satellite Systems, Inc.
Moreen, Steven K.
Information Super Station, LLC
Metrosat Communications, Inc.
Randy Hermes Productions Inc.
Global Microwave Systems, Inc.
Penn Service Microwave Company, Inc.
NSM Surveillance
Westwood One Radio Networks, Inc.
Kentucky RSA 3 Cellular General Partnership
Kentucky RSA 4 Cellular General Partnership

LTTS Operators (Continued)

Broadcast Sports, Inc.
HBJ Parks, Inc.
Westar Satellite Services LP
RF Central, LLC
UniSat, Inc.
Casper, John
International Communications Group, Inc. d/b/a/ Corban Networks
Hallco Unlimited, Inc.
Regulus Media Services, Inc.
Alltel Communications, LLC
Plateau Telecommunications, Inc.
CNG Communications, Inc.
Remote Facilities Consulting Services, Inc.
Winged Vision, Inc.
RCC Minnesota, Inc.
Goodyear Tire & Rubber Company
New England Digital Distribution Inc.
Qwest Corporation
Navajo Communications Company, Inc.
VYVX, LLC
CenturyTel of the Southwest, Inc.
Total RF Productions, LLC
DCI II, Inc.
Western Technical Services
3G Wireless, LLC
Information & Display Systems, Inc.
Cohen, Elena
Speedshotz, Inc.
On Scene Video Production
Remote Broadcasts, Inc.
Plum TV, LLC
Public Television Communications Center, Troy Public Broadcasting
NorthWest Suburbs Community Access Corporation d/b/a NorthWest Community Television
Aerial Video Systems
RF Film, Inc.
Citywide News Network, Inc.
Mr. William Heiden
Wolfe Air Aviation
RF Technology, LLC
Onboard Images
GSN News, Inc.
Cowboys Stadium LP

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
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Date: 04/05/2011
Job Number: 110309COMSJC01

Administrative Information

Status: TEMPORARY (Operation from 05/05/2011 to 07/05/2011)
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: 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): 88.0
(dBW): 88.0

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

Frequency Information

Transmit 6.7 GHz

Emission / Frequency Range (MHz): 850KFXD / 6427.75
850KFXD / 6429.25

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

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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	56.88	-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	40.55	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	47.75	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	67.22	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

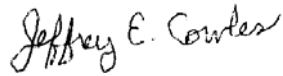
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Interference Objectives: Long Term	-154.0 dBW/4 kHz 20%
Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	10.9 (dBW/4 kHz)

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	138.72	-4.20	292.90
285	2.93	134.55	-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	100.11	-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
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Ashburn, Va. 20147

DATED: April 5, 2011