

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: 08/15/2011 - 11/15/2011

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 July 21, 2011.

Company

AERA ENERGY LLC  
AT&T California  
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.  
Federal Communications Commission  
Fresno MSA Limited Partnership  
Fresno, County of  
GTE Mobilnet of California LTD Partnersh  
GTE Mobilnet of Santa Barbara LTD Ptsh  
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 -PNW Region  
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  
San Bernardino County of California  
San Diego Gas & Electric Company  
Santa Barbara Cellular Systems, Ltd.  
Santa Barbara, County of  
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.  
WWC License L.L.C. - California

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: 08/01/2011  
Job Number: 110721COMSJC05

---

### Administrative Information

Status TEMPORARY (Operation from 08/15/2011 to 11/15/2011)  
Call Sign TEMP11  
Licensee Code INTELS  
Licensee Name Intelsat License LLC

---

### Site Information

**FILLMORE, CA**  
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 - FCC32**  
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) 34.2

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 / 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

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

<b>Coordination Values</b>	<b>FILLMORE, CA</b>
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	9.46	76.90	-10.00	256.40
5	9.82	73.29	-10.00	256.40
10	11.85	70.32	-10.00	256.40
15	10.92	66.54	-10.00	256.40
20	12.90	64.07	-10.00	256.40
25	13.86	61.47	-10.00	256.40
30	11.04	56.88	-10.00	256.40
35	11.06	53.98	-10.00	256.40
40	11.15	51.35	-10.00	256.40
45	12.08	49.66	-10.00	256.40
50	12.02	47.53	-10.00	256.40
55	12.03	45.81	-10.00	256.40
60	11.89	44.32	-10.00	256.40
65	10.11	41.64	-10.00	256.40
70	10.13	41.15	-10.00	256.40
75	10.10	41.10	-7.96	269.20
80	8.88	40.38	-4.20	292.90
85	8.89	41.39	0.77	324.20
90	6.31	40.55	4.53	347.90
95	6.30	42.57	4.53	347.90
100	6.30	44.99	4.53	347.90
105	6.32	47.74	4.53	347.90
110	5.84	50.44	4.53	347.90
115	3.99	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	2.70	67.25	4.53	347.90
140	2.67	71.27	4.53	347.90
145	2.73	75.36	4.53	347.90
150	2.63	79.46	4.53	347.90
155	3.07	83.64	4.53	347.90
160	2.85	87.77	4.53	347.90
165	3.41	91.91	4.53	347.90
170	3.29	96.04	4.53	347.90
175	3.00	100.19	4.53	347.90
180	2.53	104.38	4.53	347.90

# COMSEARCH

## Earth Station Data Sheet

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

<b>Coordination Values</b>	<b>FILLMORE, CA</b>
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)
185	2.35	108.51	4.53	347.90
190	2.29	112.57	4.53	347.90
195	0.78	117.05	4.53	347.90
200	0.26	121.23	4.53	347.90
205	1.27	124.72	4.53	347.90
210	0.97	128.61	4.53	347.90
215	0.87	132.26	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	2.87	134.60	-7.96	269.20
290	4.19	130.57	-10.00	256.40
295	4.03	127.29	-10.00	256.40
300	4.42	123.56	-10.00	256.40
305	3.80	120.15	-10.00	256.40
310	3.10	116.58	-10.00	256.40
315	2.76	112.74	-10.00	256.40
320	3.32	108.58	-10.00	256.40
325	4.76	104.28	-10.00	256.40
330	5.94	100.11	-10.00	256.40
335	7.80	95.98	-10.00	256.40
340	8.26	92.08	-10.00	256.40
345	9.32	88.23	-10.00	256.40
350	9.66	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: August 1, 2011