

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: 05/24/2013 - 10/24/2013

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 February 26, 2013.

Company

ABC Holding Company Inc.
ANAHEIM CITY, COMMUNICATIONS DIVISION
AT&T California
AirSites2000, LLC
American Tower, LLC
COAST COMMUNITY COLLEGE DISTRICT
California, State of
City Of Los Angeles, Dept Water & Power
Exxon Communications Company
Federal Communications Commission
Fresno MSA Limited Partnership
GTE Mobilnet of California LTD Partnersh
GTE Mobilnet of Santa Barbara LTD Ptnsh
KERN ED TELECOM CONSORTIUM
KTLA INC
Kern, County of
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 SMSA Ltd. Partnership
MOBILE RELAY ASSOCIATES INC
MONTEBELLO CITY CALIFORNIA
Metropolitan Water Dist of So California
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS LLC - N CAL
Nextel of California Inc.
Nextweb Inc
ORANGE, COUNTY OF, CA
Plains Exploration & Production Company

Company (Continued)

Regents of the University of California
Santa Barbara Cellular Systems, Ltd.
Skyriver Communications
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
TV MICROWAVES CO
Turn Wireless, LLC
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAW) LLC (CA)
Vintage Production California LLC
Western Technical Services

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

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Date: 03/11/2013
Job Number: 130226COMSJC06

Administrative Information

Status TEMPORARY (Operation from 05/24/2013 to 10/24/2013)
Call Sign TEMP10
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 Geostationary
Mode TO - Transmit-Only
Modulation Digital
Satellite Arc 70° W to 136° West Longitude
Azimuth Range 116.2° to 208.6°
Corresponding Elevation Angles 25.0° / 46.0°
Antenna Centerline (AGL) 8.23 m / 27.0 ft

Antenna Information

Manufacturer Scientific-Atlanta
Model 10 Meter
Gain / Diameter 53.8 dBi / 10.0 m
3-dB / 15-dB Beamwidth 0.40° / 0.60°

Transmit

Max Available RF Power (dBW/4 kHz) 0.9
(dBW/MHz) 24.9

Maximum EIRP (dBW/4 kHz) 54.7
(dBW/MHz) 78.7

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) **Transmit 6.1 GHz**
850KFXD / 6173.7
850KFXD / 6176.3

Max Great Circle Coordination Distance 185.3 km / 115.1 mi
Precipitation Scatter Contour Radius 126.2 km / 78.4 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 Meter	
Antenna Mode	Transmit 6.1 GHz	
Interference Objectives:	Long Term	-154.0 dBW/4 kHz 20%
	Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	0.9 (dBW/4 kHz)	

			Transmit 6.1 GHz	
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
0	9.45	115.22	-10.00	100.00
5	9.81	110.47	-10.00	100.00
10	11.84	105.81	-10.00	100.00
15	10.91	100.91	-10.00	100.00
20	12.89	96.11	-10.00	100.00
25	13.83	91.22	-10.00	100.00
30	11.51	86.35	-10.00	100.00
35	11.05	81.51	-10.00	100.00
40	11.36	76.64	-10.00	100.00
45	12.08	71.74	-10.00	100.00
50	12.02	66.89	-10.00	100.00
55	12.02	62.04	-10.00	100.00
60	11.89	57.24	-10.00	100.00
65	10.13	52.77	-10.00	100.00
70	10.13	48.05	-10.00	100.00
75	10.13	43.38	-8.93	100.00
80	8.91	39.20	-7.83	100.00
85	8.91	34.76	-6.53	100.00
90	6.34	31.80	-5.56	100.00
95	6.32	27.99	-4.17	100.00
100	6.32	24.55	-2.75	100.00
105	6.35	21.65	-1.39	100.00
110	5.84	20.09	-0.57	100.00
115	4.00	21.01	-1.06	100.00
120	2.01	23.25	-2.16	130.71
125	1.94	24.55	-2.75	130.18
130	2.45	26.20	-3.46	117.32
135	2.62	28.87	-4.51	110.29
140	2.67	32.10	-5.66	105.08
145	2.87	35.15	-6.65	100.00
150	2.62	38.28	-7.57	100.00
155	3.21	40.43	-8.17	100.00
160	2.93	42.90	-8.81	100.00
165	3.52	44.17	-9.13	100.00
170	3.28	45.69	-9.49	100.00
175	3.12	46.63	-9.72	100.00
180	2.53	47.49	-9.92	100.00
185	2.35	47.40	-9.89	100.00

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Earth Station Data Sheet

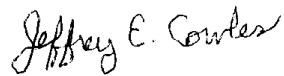
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Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	0.9 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)
			Transmit 6.1 GHz	
190	2.28	46.64	-9.72	100.00
195	0.78	46.81	-9.76	138.12
200	0.45	46.20	-9.62	158.51
205	1.23	44.90	-9.31	124.62
210	0.97	45.07	-9.35	131.88
215	0.94	45.44	-9.44	132.89
220	0.00	47.11	-9.83	185.27
225	0.00	48.24	-10.00	184.60
230	0.00	49.73	-10.00	184.60
235	0.00	51.55	-10.00	184.60
240	0.00	53.67	-10.00	184.60
245	0.00	56.03	-10.00	184.60
250	0.00	58.63	-10.00	184.60
255	0.00	61.41	-10.00	184.60
260	0.00	64.35	-10.00	184.60
265	0.00	67.42	-10.00	184.60
270	0.00	70.60	-10.00	184.60
275	1.12	73.54	-10.00	125.36
280	1.30	76.92	-10.00	120.83
285	2.94	80.13	-10.00	100.00
290	4.19	83.62	-10.00	100.00
295	4.04	87.35	-10.00	100.00
300	4.44	91.07	-10.00	100.00
305	3.72	94.75	-10.00	100.00
310	3.09	98.34	-10.00	100.00
315	2.77	101.89	-10.00	100.00
320	3.33	105.57	-10.00	100.00
325	4.75	109.54	-10.00	100.00
330	5.93	113.51	-10.00	100.00
335	7.78	117.80	-10.00	100.00
340	8.31	121.56	-10.00	100.00
345	9.31	125.51	-10.00	100.00
350	9.65	124.77	-10.00	100.00
355	9.64	120.02	-10.00	100.00

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
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DATED: March 11, 2013