

Prepared By

COMSEARCH

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

Prepared For

**Intelsat License LLC
NUEVO, CALIFORNIA**

Temporary Transmit/Receive Earth Station
Operation Dates: 03/28/2011 - 09/28/2011

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 February 4, 2011.

Company

ANAHEIM CITY, COMMUNICATIONS DIVISION
ARIZONA, STATE OF DEPT OF PUBLIC SAFETY
AT&T COMMUNICATIONS OF CALIFORNIA, INC.
AT&T COMMUNICATIONS OF MOUNTAIN STATES
AT&T California
AirSites2000, LLC
Airband Communications Inc
American Tower, LLC
Arizona Public Service Company (APS)
BNSF Railway Company
CLARK, COUNTY OF
CNG Communications, Inc.
COAST COMMUNITY COLLEGE DISTRICT
California, State of
Cellco Partnership - California
Chevron USA Inc.
Citizens Telecomm of the Golden State
Citizens Telecommunications of CA Inc.
Citizens Utilities Rural Company, Inc.
City of Yuma
Coachella Valley Water District
Cox Communications - San Diego Mkt
Ducor Telephone Company
FALCON CABLEVISION, A CALIFORNIA L.P.
Federal Communications Commission
Fresno MSA Limited Partnership
Frontier Communications of the Southwest
GTE Mobilnet of Santa Barbara LTD Ptsh
Gila Electronics of Yuma, Inc
KERN ED TELECOM CONSORTIUM
KTLA INC
Kern, County of

Company (Continued)

LB Tower Company LLC
LOS ANGELES CITY WATER & POWER
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
M.U.T. Licensing, LLC
METROPOLITAN AREA NETWORKS, INC.
MONTEBELLO CITY CALIFORNIA
Metropolitan Water Dist of So California
Microwave Service Company
NEXTEL LICENSE HOLDINGS 4 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
Nextweb Inc
OCCIDENTAL OF ELK HILLS INC
ORANGE, COUNTY OF, CA
Pacific Gas and Electric Company
Plains Exploration & Production Company
QUALCOMM INC.
QWEST CORPORATION
RIVERSIDE COUNTY OF
Regional 3Cs
SAN DIEGO COUNTY
SAN DIEGO, CITY OF
SKYRIVER COMMUNICATIONS INC
SOUTHERN CALIFORNIA REGIONAL RAIL AUTH.
San Bernardino County of California
San Diego Gas & Electric Company
Santa Barbara Cellular Systems, Ltd.
Southern California Edison Company
Southern California Gas Company
Sparkplug Southwest, LLC
T-Mobile License LLC
T-Mobile License LLC
TV MICROWAVES CO
Telink Networks SW, LLC
The Ponderosa Telephone Company
Turn Wireless, LLC
University of California,HPWREN
VELOCITEL BROADBAND, INC
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAW) LLC (CA)
Verizon Wireless (VAW) LLC-Southwest Rgn
Vintage Production California LLC

Company (Continued)

WWC License L.L.C.
WWC License LLC - Verizon
Western Pacific Mobile Microwave
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.

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Earth Station Data Sheet

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Date: 02/19/2011
Job Number: 110204COMSJC03

Administrative Information

Status: TEMPORARY (Operation from 03/28/2011 to 09/28/2011)
Call Sign: TEMP09
Licensee Code: INTNOA
Licensee Name: Intelsat License LLC

Site Information

NUEVO, CALIFORNIA

Venue Name
Latitude (NAD 83): 33° 47' 43.6" N
Longitude (NAD 83): 117° 5' 20.4" W
Climate Zone: A
Rain Zone: 4
Ground Elevation (AMSL): 566.62 m / 1859.0 ft

Link Information

Satellite Type: Low Earth Orbit
Mode: TR - Transmit-Receive
Modulation: Digital
Minimum Elevation Angle: 5.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 7.32 m / 24.0 ft

Antenna Information

	Receive	Transmit
Manufacturer	Vertex Comm.	Vertex Comm.
Model	11 KPC	11 KPC
Gain / Diameter	51.8 dBi / 11.0 m	55.5 dBi / 11.0 m
3-dB / 15-dB Beamwidth	0.44° / 0.84°	0.29° / 0.54°
Max Available RF Power (dBW/4 kHz)		6.2
(dBW/MHz)		30.2
Maximum EIRP (dBW/4 kHz)		61.7
(dBW/MHz)		85.0
(dBW)		85.0
Interference Objectives:		
Long Term	-156.0 dBW/MHz 20%	-154.0 dBW/4 kHz 20%
Short Term	-146.0 dBW/MHz 0.01%	-131.0 dBW/4 kHz 0.0025%

Frequency Information

	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	180KFXD / 4186.32 180KFXD / 4191.84	850KFXD / 6415.0 850KFXD / 6412.912
Max Great Circle Coordination Distance	465.6 km / 289.3 mi	347.9 km / 216.2 mi
Precipitation Scatter Contour Radius	350.4 km / 217.7 mi	225.5 km / 140.1 mi

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Earth Station Data Sheet

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Coordination Values

NUEVO, CA

Licensee Name Intelsat License LLC
Latitude (NAD 83) 33° 47' 43.6" N
Longitude (NAD 83) 117° 5' 20.4" W
Ground Elevation (AMSL) 566.62 m / 1859.0 ft
Antenna Centerline (AGL) 7.32 m / 24.0 ft
Antenna Model Vertex Comm. 11 KPC
Antenna Mode Receive 4.0 GHz Transmit 6.1 GHz
Interference Objectives: Long Term -156.0 dBW/MHz 20% -154.0 dBW/4 kHz 20%
Short Term -146.0 dBW/MHz 0.01% -131.0 dBW/4 kHz 0.0025%
Max Available RF Power 6.2 (dBW/4 kHz)

Azimuth (°)	Antenna		Receive 4.0 GHz		Transmit 6.1 GHz	
	Horizon Elevation (°)	Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	1.10	76.42	-10.00	373.70	-10.00	256.40
5	2.21	72.41	-10.00	373.70	-10.00	256.40
10	1.96	68.21	-10.00	373.70	-10.00	256.40
15	2.70	64.35	-10.00	373.70	-10.00	256.40
20	2.63	60.34	-10.00	373.70	-10.00	256.40
25	2.53	56.42	-10.00	373.70	-10.00	256.40
30	3.49	53.12	-10.00	373.70	-10.00	256.40
35	3.37	49.49	-10.00	373.70	-10.00	256.40
40	3.30	46.08	-10.00	373.70	-10.00	256.40
45	3.29	42.94	-10.00	373.70	-10.00	256.40
50	2.99	39.88	-10.00	373.70	-10.00	256.40
55	2.53	37.01	-10.00	373.70	-10.00	256.40
60	2.78	35.18	-10.00	373.70	-10.00	256.40
65	3.42	34.29	-10.00	373.70	-10.00	256.40
70	3.17	33.18	-10.00	373.70	-10.00	256.40
75	3.22	33.01	-7.96	386.60	-7.96	269.20
80	3.72	33.95	-4.20	410.40	-4.20	292.90
85	3.36	34.69	0.77	441.80	0.77	324.20
90	3.38	36.37	4.53	465.60	4.53	347.90
95	2.49	37.81	4.53	465.60	4.53	347.90
100	2.99	40.84	4.53	465.60	4.53	347.90
105	3.50	44.15	4.53	465.60	4.53	347.90
110	3.76	47.52	4.53	465.60	4.53	347.90
115	3.70	50.90	4.53	465.60	4.53	347.90
120	3.92	54.61	4.53	465.60	4.53	347.90
125	3.84	58.30	4.53	465.60	4.53	347.90
130	4.39	62.35	4.53	465.60	4.53	347.90
135	3.90	66.11	4.53	465.60	4.53	347.90
140	4.15	70.18	4.53	465.60	4.53	347.90
145	4.15	74.23	4.53	465.60	4.53	347.90
150	3.50	78.23	4.53	465.60	4.53	347.90
155	3.92	82.42	4.53	465.60	4.53	347.90
160	4.24	86.58	4.53	465.60	4.53	347.90
165	4.67	90.72	4.53	465.60	4.53	347.90
170	4.76	94.84	4.53	465.60	4.53	347.90
175	5.29	98.89	4.53	465.60	4.53	347.90
180	5.93	102.84	4.53	465.60	4.53	347.90

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Earth Station Data Sheet

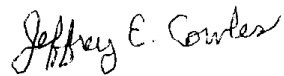
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Coordination Values	NUEVO, CA				
Licensee Name	Intelsat License LLC				
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Ground Elevation (AMSL)	566.62 m / 1859.0 ft				
Antenna Centerline (AGL)	7.32 m / 24.0 ft				
Antenna Model	Vertex Comm. 11 KPC				
Antenna Mode	Receive 4.0 GHz		Transmit 6.1 GHz		
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%	
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%	
Max Available RF Power			6.2 (dBW/4 kHz)		

Azimuth (°)	Receive 4.0 GHz		Transmit 6.1 GHz			
	Horizon Elevation (°)	Antenna Discrimination (°)	Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
185	6.64	106.67	4.53	465.60	4.53	347.90
190	6.27	110.66	4.53	465.60	4.53	347.90
195	6.62	114.40	4.53	465.60	4.53	347.90
200	6.08	118.36	4.53	465.60	4.53	347.90
205	5.57	122.26	4.53	465.60	4.53	347.90
210	5.90	125.67	4.53	465.60	4.53	347.90
215	6.19	128.89	4.53	465.60	4.53	347.90
220	7.25	131.37	4.53	465.60	4.53	347.90
225	6.91	134.47	4.53	465.60	4.53	347.90
230	5.70	138.01	4.53	465.60	4.53	347.90
235	6.01	140.03	4.53	465.60	4.53	347.90
240	5.66	142.20	4.53	465.60	4.53	347.90
245	5.56	143.65	4.53	465.60	4.53	347.90
250	5.18	144.83	4.53	465.60	4.53	347.90
255	4.53	145.68	4.53	465.60	4.53	347.90
260	4.64	145.14	4.53	465.60	4.53	347.90
265	4.36	144.37	4.53	465.60	4.53	347.90
270	4.36	142.76	4.53	465.60	4.53	347.90
275	4.44	140.59	0.77	441.80	0.77	324.20
280	3.74	138.60	-4.20	410.40	-4.20	292.90
285	3.10	136.12	-7.96	386.60	-7.96	269.20
290	2.46	133.26	-10.00	373.70	-10.00	256.40
295	0.80	130.61	-10.00	373.70	-10.00	256.40
300	0.61	126.91	-10.00	373.70	-10.00	256.40
305	0.00	123.21	-10.00	373.70	-10.00	256.40
310	0.00	119.14	-10.00	373.70	-10.00	256.40
315	0.00	114.99	-10.00	373.70	-10.00	256.40
320	0.00	110.78	-10.00	373.70	-10.00	256.40
325	0.00	106.52	-10.00	373.70	-10.00	256.40
330	0.00	102.23	-10.00	373.70	-10.00	256.40
335	0.00	97.91	-10.00	373.70	-10.00	256.40
340	0.00	93.58	-10.00	373.70	-10.00	256.40
345	0.00	89.24	-10.00	373.70	-10.00	256.40
350	0.00	84.90	-10.00	373.70	-10.00	256.40
355	0.00	80.57	-10.00	373.70	-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: February 19, 2011