

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-Only Earth Station
Operation Dates: 04/14/2014 - 08/01/2014

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 25, 2014.

Company

ABC Holding Company Inc.
ANAHEIM CITY, COMMUNICATIONS DIVISION
AT&T COMMUNICATIONS OF CALIFORNIA, INC.
AT&T COMMUNICATIONS OF MOUNTAIN STATES
AT&T California
Aerioconnect, Inc.
AirSites2000, LLC
Airband Communications Inc
Arizona Public Service Company (APS)
Arizona, State Of
BFI Licenses, LLC
BNSF Railway Company
CCO SoCal I, LLC
CNG Communications, Inc.
COAST COMMUNITY COLLEGE DISTRICT
California, State of
Calvary Chapel of Costa Mesa
Cellco Partnership - California
Chevron USA Inc.
Citizens Telecomm of the Golden State
Citizens Telecommunications of CA Inc.
Citizens Utilities Rural Company, Inc.
City of Los Angeles Dept Water & Power
City of Yuma
Clark, County of
Coachella Valley Water District
CP Communications, LLC
DRS Technical Services
Ducor Telephone Company
Entravision Holdings, LLC

Company (Continued)

Federal Communications Commission
Freeport-McMoRan Oil & Gas LLC
Fresno MSA Limited Partnership
Frontier Communications of the Southwest
GTE Mobilnet of California LTD Partnersh
Gila Electronics of Yuma, Inc
ION Media Los Angeles License, Inc.
KERN COUNTY SUPERINTENDENT OF SCHOOLS
KERN ED TELECOM CONSORTIUM
KTLA, LLC
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 County Metro Transit Auth
Los Angeles SMSA Ltd. Partnership
Metrosat Communications Inc.
MHO Networks
MOBILE RELAY ASSOCIATES INC
MONTEBELLO CITY CALIFORNIA
Metropolitan Water Dist of So California
New Cingular Wireless PCS LLC - AZ
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS LLC - N CAL
New Cingular Wireless PCS LLC -San Diego
Nextel License Holdings 4 Inc.
Nextel of California Inc.
Nextweb, Inc
Norris, Samuel O
ORANGE, COUNTY OF, CA
Occidental of Elk Hills Inc.
Pacific Gas and Electric Company
Ponderosa Telephone Company
QUALCOMM INC.
Qwest Corporation
Regents of the University of California
Regional 3Cs
RF Technology, LLC
Riverside, County of
SAN DIEGO, CITY OF
San Bernardino County of California
San Diego County Water Authority
San Diego Gas & Electric Company
San Diego, County of
Santa Barbara Cellular Systems, Ltd.
Santa Barbara, County of
Skyriver Communications
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.

Company (Continued)

Sparkplug Southwest, LLC
Sprint Spectrum L.P
Sprint Telephony PCS, L.P.
T-Mobile License LLC
TV MICROWAVES CO
Telink Networks SW, LLC
Time Warner Cable LLC
Turn Wireless, LLC
Ultimate Internet Access, Inc.
Union Pacific Railroad Company
University of California,HPWREN
Ventura, County of
Verizon Delaware Inc.
Verizon California Inc.
Verizon Wireless (VAW) LLC (CA)
Verizon Wireless(VAW) LLC-AZ/CO/NM/NV/UT
Vintage Production California LLC
WWC License L.L.C. - California
WWC License LLC - AZ/CO/NM/NV/UT
Western Technical Services
Area Energy LLC
Boeing Company
CBS Broadcasting Inc
CBS Communications Services Inc.
CITY OF POMONA COMMUNICATIONS
Central Arizona Water Conservation Distr
El Paso Natural Gas Company, LLC
Fisher Wireless Services, Inc.
GULF-CALIFORNIA BROADCAST COMPANY
Gila Electronics of Yuma, Inc
Glendale, City of
Gogo LLC
HARRIS CORPORATION
INCOMM DIVISION CHURCH OF SCIENTOLOGY
Imperial Irrigation District
Mile High Inc
PACIFIC PIPELINE SYSTEM LLC
Pacific Television Center
Palomar Observatory California Institute
Sprint PCS
Sprint Spectrum LP DBA Sprint PCS
VENOCO, INC.
3G Wireless, LLC
AERIAL VIDEO SYSTEMS
Alascom Inc
Ascent Media Network Services, LLC
Bellsouth Telecommunications, Inc.
Blackhawk Broadcasting LLC
Board of Trustees for San Diego Univ
Borgeson, Tom R.
Broadcast Sports Inc.

Company (Continued)

CALIPATRIA BROADCASTING COMPANY LLC
CBS Broadcasting Inc
CNG Communications, Inc.
COCOLA BROADCASTING COMPANIES LLC
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
Citywide News Network, Inc.
Cohen, Elana
County Service Area 70 - TV 5
Cowboys Stadium LP
DCI II, INC.
DIOCESE OF FRESNO EDUCATION CORP.
Direct Broadcast Services, Inc.
ELLIS COMMUNICATIONS KDOC LICENSEE, LLC
Fox Television Stations, Inc.
GOODYEAR TIRE AND RUBBER COMPANY
GSN New, Inc
GULF-CALIFORNIA BROADCAST COMPANY
Global Microwave Systems Inc
GovNET Licenses, LLC
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
KFTV License Partnership GP
KMEX License Partnership GP
KRCA License LLC
KSBY Communications Inc
KSWB, LLC
KUVI LICENSE PARTNERSHIP, G.P.
KVMD LICENSEE CO, LLC
Kentucky RSA #3 Cellular General Partner
Kentucky RSA #4 Cellular General Partner
LOS ANGELES TELEVISION STATION KCAL LLC
MERCURY COMMUNICATIONS
MIDWEST TELEVISION INC.
Metro Networks Communications, Inc.
Michigan Bell Telephone Company
Moreen, Steven K
NBC Telemundo License LLC
NEW ENGLAND DIGITAL DISTRIBUTION, INC.
NEW ENGLAND SATELLITE SYSTEMS INC

Company (Continued)

NEXSTAR BROADCASTING, INC.
NPG of California, LLC
NRJ TV LA License Co, LLC
NSM Surveillance
Navajo Communications Company
NorthWest Suburbs Community Access Corp
OTA Broadcasting (PSP), LLC
Ohio Bell Telephone Company
On Scene Video Production
Onboard Images
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
Radiofone, Inc.
Randy Hermes Production
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
Smith Media License Holdings, LLC (KEYT)
Southwestern Bell Telephone L.P.
Speedshotz, Inc
Station Venture Operations, LP
Telefutura Los Angeles LLC - KFTR-TV
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
Unisat, Inc.
United Telephone - Southeast
VERIZON SOUTH INC.
Valley Public Television, 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.

Company (Continued)

Vyvx, LLC
Village Video Productions Inc
Westar Satellite Services LP
Wexler Video, Inc.
Winged Vision Inc
Wisconsin Bell, Inc.
Wolfe Air Aviation
Yuma Broadcasting Company

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: 03/10/2014
Job Number: 140225COMSJC01

Administrative Information

Status: TEMPORARY (Operation from 04/14/2014 to 08/01/2014)
Call Sign: TEMP08
Licensee Code: INTELS
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: TO - Transmit-Only
Modulation: Digital
Minimum Elevation Angle: 5.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 7.32 m / 24.0 ft

Antenna Information

Transmit

Manufacturer: TIW
Model: 11 Meter
Gain / Diameter: 55.5 dBi / 11.0 m
3-dB / 15-dB Beamwidth: 0.29° / 0.54°

Max Available RF Power (dBW/4 kHz): 8.6
(dBW/MHz): 32.6

Maximum EIRP (dBW/4 kHz): 64.1
(dBW/MHz): 88.1
(dBW): 87.4

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

Frequency Information

Transmit 6.1 GHz

Emission / Frequency Range (MHz): 850KFXD / 6425.0
850KFXD / 6429.5

Max Great Circle Coordination Distance: 347.9 km / 216.2 mi
Precipitation Scatter Contour Radius: 274.6 km / 170.6 mi

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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 TIW 11 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 8.6 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	1.10	76.42	-10.00	256.40
5	2.21	72.41	-10.00	256.40
10	1.96	68.21	-10.00	256.40
15	2.70	64.35	-10.00	256.40
20	2.63	60.34	-10.00	256.40
25	2.53	56.42	-10.00	256.40
30	3.49	53.12	-10.00	256.40
35	3.37	49.49	-10.00	256.40
40	3.30	46.08	-10.00	256.40
45	3.29	42.94	-10.00	256.40
50	2.99	39.88	-10.00	256.40
55	2.53	37.01	-10.00	256.40
60	2.78	35.18	-10.00	256.40
65	3.42	34.29	-10.00	256.40
70	3.17	33.18	-10.00	256.40
75	3.22	33.01	-7.96	269.20
80	3.72	33.95	-4.20	292.90
85	3.36	34.69	0.77	324.20
90	3.38	36.37	4.53	347.90
95	2.49	37.81	4.53	347.90
100	2.99	40.84	4.53	347.90
105	3.50	44.15	4.53	347.90
110	3.76	47.52	4.53	347.90
115	3.70	50.90	4.53	347.90
120	3.92	54.61	4.53	347.90
125	3.84	58.30	4.53	347.90
130	4.39	62.35	4.53	347.90
135	3.90	66.11	4.53	347.90
140	4.15	70.18	4.53	347.90
145	4.15	74.23	4.53	347.90
150	3.50	78.23	4.53	347.90
155	3.92	82.42	4.53	347.90
160	4.24	86.58	4.53	347.90
165	4.67	90.72	4.53	347.90
170	4.76	94.84	4.53	347.90
175	5.29	98.89	4.53	347.90
180	5.93	102.84	4.53	347.90
185	6.64	106.67	4.53	347.90

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Coordination Values

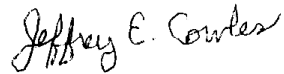
NUEVO, CA

Licensee Name Intelsat License LLC
Latitude (NAD 83) 33° 47' 43.6" N
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Antenna Model TIW 11 Meter
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Interference Objectives: Long Term -154.0 dBW/4 kHz 20%
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Max Available RF Power 8.6 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	6.27	110.66	4.53	347.90
195	6.62	114.40	4.53	347.90
200	6.08	118.36	4.53	347.90
205	5.57	122.26	4.53	347.90
210	5.90	125.67	4.53	347.90
215	6.19	128.89	4.53	347.90
220	7.25	131.37	4.53	347.90
225	6.91	134.47	4.53	347.90
230	5.70	138.01	4.53	347.90
235	6.01	140.03	4.53	347.90
240	5.66	142.20	4.53	347.90
245	5.56	143.65	4.53	347.90
250	5.18	144.83	4.53	347.90
255	4.53	145.68	4.53	347.90
260	4.64	145.14	4.53	347.90
265	4.36	144.37	4.53	347.90
270	4.36	142.76	4.53	347.90
275	4.44	140.59	0.77	324.20
280	3.74	138.60	-4.20	292.90
285	3.10	136.12	-7.96	269.20
290	2.46	133.26	-10.00	256.40
295	0.80	130.61	-10.00	256.40
300	0.61	126.91	-10.00	256.40
305	0.00	123.21	-10.00	256.40
310	0.00	119.14	-10.00	256.40
315	0.00	114.99	-10.00	256.40
320	0.00	110.78	-10.00	256.40
325	0.00	106.52	-10.00	256.40
330	0.00	102.23	-10.00	256.40
335	0.00	97.91	-10.00	256.40
340	0.00	93.58	-10.00	256.40
345	0.00	89.24	-10.00	256.40
350	0.00	84.90	-10.00	256.40
355	0.00	80.57	-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: March 10, 2014