

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: 12/26/2012 - 02/15/2013

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 November 27, 2012.

Company

ABC Holding Company Inc.
ANAHEIM CITY, COMMUNICATIONS DIVISION
AT&T COMMUNICATIONS OF CALIFORNIA, INC.
AT&T COMMUNICATIONS OF MOUNTAIN STATES
AT&T California
AirSites2000, LLC
Airband Communications Inc
Arizona Public Service Company (APS)
Arizona, State Of Dept Of Public Safety
BNSF Railway Company
CCO SoCal I, LLC
CLARK, COUNTY OF
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
Coachella Valley Water District
DRS Technical Services
Ducor Telephone Company
Entravision Holdings, LLC
Federal Communications Commission
Fresno MSA Limited Partnership
Frontier Communications of the Southwest

Company (Continued)

GTE Mobilnet of California LTD Partnersh
 Gila Electronics of Yuma, Inc
 Goff, Wayne C.
 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
 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
 OCCIDENTAL OF ELK HILLS INC
 ORANGE, COUNTY OF, CA
 Pacific Gas and Electric Company
 Plains Exploration & Production Company
 Ponderosa Telephone Company
 QUALCOMM INC.
 QWEST CORPORATION
 Regents of the University of California
 Regional 3Cs
 Riverside, County of
 SAN DIEGO, CITY OF
 San Bernardino County of California
 San Diego County
 San Diego Gas & Electric Company
 Santa Barbara Cellular Systems, Ltd.
 Skyriver Communications
 Southern California Edison Company
 Southern California Gas Company
 Southern California Regional Rail Auth.
 Sparkplug Southwest, LLC
 Sprint Spectrum, LP
 T-Mobile License LLC
 TV MICROWAVES CO
 Telink Networks SW, LLC
 Turn Wireless, LLC
 University of California, HPWREN
 Ventura, County of
 Verizon California Inc.
 Verizon Wireless (VAW) LLC (CA)
 Verizon Wireless(VAW) LLC-AZ/CO/NM/NV/UT

Company (Continued)

Vintage Production California LLC
WWC License L.L.C. - California
WWC License LLC - AZ/CO/NM/NV/UT
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.

COMSEARCH
Earth Station Data Sheet
 19700 Janelia Farm Boulevard, Ashburn, VA 20147
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Date: 11/27/2012
 Job Number: 121127COMSJC01

Administrative Information

Status: TEMPORARY (Operation from 12/26/2012 to 02/15/2013)
 Call Sign: TEMP02
 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): 5.8
 (dBW/MHz): 29.8

Maximum EIRP (dBW/4 kHz): 61.3
 (dBW/MHz): 85.3
 (dBW): 84.6

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): 850KF2D / 5926.5
 850KF2D / 6424.5

Max Great Circle Coordination Distance: 347.9 km / 216.2 mi
 Precipitation Scatter Contour Radius: 217.6 km / 135.2 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	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	5.8 (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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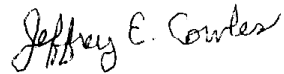
Coordination Values**NUEVO, CA**

Licensee Name Intelsat License LLC
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 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 5.8 (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
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DATED: December 7, 2012