

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: 03/05/2015 - 09/05/2015

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 March 2, 2015.

Company

ABC Holding Company Inc.
AT&T California
AirSites2000, LLC
American Tower, LLC
Anaheim City, of
BNS Electronics, Inc.
CCO SoCal I, LLC
CNG Communications, Inc.
California, State of
Calvary Chapel of Costa Mesa
City of Los Angeles Dept Water & Power
Coast Community College District
Communication Services, Inc.
Conterra Ultra Broadband, LLC
Entravision Holdings, LLC
Exxon Communications Company
Federal Communications Commission
Frazier Mountain Internet Service, Inc.
Freeport-McMoRan Oil & Gas LLC
Fresno MSA Limited Partnership
GTE Mobilnet of Santa Barbara LTD Ptsh
Glendale, City of
ION Media Los Angeles License, Inc.
KTLA, LLC
Kern Ed Telecom Consortium
Kern, County of
LDM Engineering
LOS ANGELES UNIFIED SCHOOL DISTRICT
Los Angeles City Info Technology Agency
Los Angeles County Dept of Public Works

Company (Continued)

Los Angeles County FCC Licensing Section
Los Angeles County Metro Transit Auth
Los Angeles SMSA Ltd. Partnership
MHO Networks
MOBILE RELAY ASSOCIATES INC
MONTEBELLO CITY CALIFORNIA
Metropolitan Water Dist of So California
NRJ TV LA License Co, LLC
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS LLC - N CAL
Nextel of California Inc.
Nextweb Inc
Orange, County of, CA
Regents of the University of California
Riverside, County of
San Bernardino County of California
Santa Barbara Cellular Systems, Ltd.
Santa Barbara, County of
Skyriver Communications
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
T-Mobile License LLC
TV MICROWAVES CO
Turn Wireless, LLC
Union Pacific Railroad Company
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAW) LLC (Southern CA)
Verizon Wireless (VAW) LLC-N CA/NV
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.

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Earth Station Data Sheet

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Date: 03/04/2015
Job Number: 150302COMSJC03

Administrative Information

Status TEMPORARY (Operation from 03/05/2015 to 09/05/2015)
Call Sign TEMP09
Licensee Code INTELS
Licensee Name Intelsat License LLC

Site Information

FILLMORE, CALIFORNIA

Venue Name
Latitude (NAD 83) 34° 24' 18.0" N
Longitude (NAD 83) 118° 53' 39.0" W
Climate Zone A
Rain Zone 4
Ground Elevation (AMSL) 305.0 m / 1000.7 ft

Link Information

Satellite Type Geostationary
Mode TO - Transmit-Only
Modulation Analog and Digital
Satellite Arc 45.6° W to 191.2° West Longitude
Azimuth Range 99.6° to 259.8°
Corresponding Elevation Angles 5.1° / 5.9°
Antenna Centerline (AGL) 11.1 m / 36.4 ft

Antenna Information

Transmit - S60911

Manufacturer SCIENTIFIC-ATLANTA, INC
Model 8009A 9.1 METER
Gain / Diameter 53.8 dBi / 9.1 m
3-dB / 15-dB Beamwidth 0.36° / 0.72°

Max Available RF Power (dBW/4 kHz) 2.9
(dBW/MHz) 26.9

Maximum EIRP (dBW/4 kHz) 56.7
(dBW/MHz) 80.7
(dBW) 80.0

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 / 6420.0
850KFXD / 6425.0

Max Great Circle Coordination Distance 432.1 km / 268.5 mi
Precipitation Scatter Contour Radius 172.5 km / 107.2 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' 18.0" N	
Longitude (NAD 83)	118° 53' 39.0" W	
Ground Elevation (AMSL)	305.0 m / 1000.7 ft	
Antenna Centerline (AGL)	11.1 m / 36.4 ft	
Antenna Model	SCIENTIFIC-ATLANTA, INC 8009A 9.1 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	2.9 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	8.33	99.61	-11.22	100.00
5	7.08	94.62	-11.24	100.00
10	7.13	89.63	-11.25	100.00
15	8.32	84.64	-11.38	100.00
20	9.71	79.66	-11.26	100.00
25	9.62	74.68	-11.37	100.00
30	8.22	69.66	-11.43	100.00
35	8.63	64.68	-11.40	100.00
40	9.02	59.71	-11.22	100.00
45	8.56	54.70	-11.45	100.00
50	7.16	49.66	-11.26	100.00
55	7.53	44.68	-9.14	100.00
60	8.83	39.78	-8.11	100.00
65	9.24	34.85	-6.17	100.00
70	8.51	29.81	-5.12	100.00
75	6.97	24.70	-3.20	100.00
80	5.71	19.64	-2.98	100.00
85	6.21	14.67	-0.20	100.00
90	5.95	9.67	4.13	102.72
95	5.05	4.63	11.55	140.03
100	2.87	2.22	19.94	425.06
105	2.94	5.60	9.60	171.54
110	2.18	10.05	3.75	158.51
115	1.96	14.14	-0.20	146.16
120	0.86	18.72	-2.43	174.07
125	1.56	22.12	-3.20	144.55
130	3.02	24.89	-3.20	115.03
135	2.50	28.81	-4.72	119.12
140	2.70	32.08	-5.62	111.96
145	2.79	35.21	-6.28	107.70
150	2.86	38.10	-7.44	102.31
155	3.39	40.30	-8.26	100.00
160	3.46	42.45	-8.69	100.00
165	3.37	44.31	-9.06	100.00
170	3.46	45.52	-9.62	100.00
175	3.37	46.39	-10.31	100.00
180	2.48	47.54	-11.23	100.00
185	2.59	47.16	-10.93	100.00

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Earth Station Data Sheet

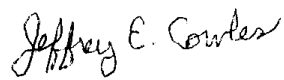
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Max Available RF Power	2.9 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	2.44	46.49	-10.40	100.00
195	0.85	46.58	-10.46	139.09
200	0.64	44.84	-9.17	155.06
205	1.29	41.97	-8.59	132.47
210	0.96	39.52	-8.01	142.65
215	1.19	36.36	-6.74	140.40
220	0.00	33.92	-5.98	206.01
225	0.00	30.45	-5.29	208.70
230	0.00	26.83	-3.93	214.15
235	0.00	23.09	-3.20	217.18
240	0.00	19.24	-2.75	219.09
245	0.00	15.33	-0.40	229.37
250	0.00	11.35	2.45	242.72
255	0.00	7.56	6.67	263.91
260	0.00	5.87	9.05	432.09
265	0.00	7.85	6.10	260.79
270	0.00	11.77	2.03	240.69
275	1.03	15.96	-0.77	173.46
280	1.04	20.77	-3.20	159.97
285	2.63	25.41	-3.37	121.78
290	3.91	30.28	-5.26	100.00
295	3.79	35.27	-6.31	100.00
300	4.43	40.24	-8.25	100.00
305	4.07	45.25	-9.40	100.00
310	3.63	50.26	-11.49	100.00
315	2.64	55.28	-11.33	100.00
320	3.26	60.25	-11.31	100.00
325	3.46	65.24	-11.40	100.00
330	4.26	70.23	-11.29	100.00
335	5.11	75.22	-11.38	100.00
340	5.89	80.22	-11.31	100.00
345	6.28	85.22	-11.41	100.00
350	7.61	90.22	-11.27	100.00
355	8.39	95.22	-11.29	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 4, 2015