

August 14, 2015

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority
Riverside, California Earth Station E040125
File No. SES-STA-20150717-00462


Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein supplements its above referenced request for Special Temporary Authority (“STA”). Specifically, Intelsat is supplying the relevant coordination report, attached as Exhibit A, updating the launch date, and correcting the language in the STA to include telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) and during the drift of the Intelsat 34 satellite to its final location. Accordingly, the first paragraph should now read:

Intelsat License LLC (“Intelsat”) herein requests a grant of Special Temporary Authority (“STA”) for 30 days, commencing **August 20, 2015**, to use its Riverside, California C-band earth station—call sign E040125—to provide launch and early orbit phase (“LEOP”) services for Intelsat 34, **telemetry, tracking, and command (“TT&C”) during in-orbit testing (“IOT”) at 51.5° W.L, and TT&C during the drift of Intelsat 34 to its final location at 55.5° W.L. Intelsat 34 is expected to be launched on August 20, 2015. The LEOP period is expected to last approximately 10 days, the IOT is expected to last approximately 30 days and the drift is expected to last approximately 10 days.**

Please direct any further questions regarding this STA supplement to the undersigned at (703) 559-6949.

Sincerely,



Cynthia J. Grady
Regulatory Counsel
Intelsat Corporation

cc: Paul Blais

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: 08/16/2015 - 11/20/2015

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 July 28, 2015.

Company

ABC Holding Company Inc.
AT&T California
AT&T COMMON SYSTEMS
Aerioconnect, Inc.
AirSites2000, LLC
Airband Communications Inc
Anaheim City, of
Arizona Public Service Company (APS)
Arizona, State Of
BNS Electronics, Inc.
BNSF Railway Company
CCO SoCal I, LLC
CNG Communications, Inc.
California, State of
Calvary Chapel of Costa Mesa
Cellco Partnership - California
Chevron USA Inc.
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
Coast Community College District
Communication Services, Inc.
Conterra Ultra Broadband, LLC
DRS Technical Services
Ducor Telephone Company
Encina Communications Company
Entravision Holdings, LLC
Federal Communications Commission

Company (Continued)

Fisher Wireless Services, Inc.
Frazier Mountain Internet Service, Inc.
Freeport-McMoRan Oil & Gas LLC
Fresno MSA Limited Partnership
Frontier Communications of the Southwest
Gila Electronics of Yuma, Inc
Glendale, City of
GovNET Licenses LLC
ION Media Los Angeles License, Inc.
KTLA, LLC
KERN COUNTY CALIFORNIA
Kern County Superintendent of Schools
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
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 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
Northrup Grumman Systems Corp.
Norris, Samuel O
Northrop Grumman Systems Corp.
Occidental of Elk Hills Inc.
Orange, County of, CA
Pacific Gas and Electric Company
Pacific Television Center
Paxon Communications Corp.
Ponderosa Telephone Company
QUALCOMM INC.
Qwest Corporation
Regents of the University of California
Regional 3Cs
Riverside, County of
San Bernardino County of California
San Diego Broadband
San Diego County Water Authority

Company (Continued)

San Diego Gas & Electric Company
San Diego, City of
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.
Sparkplug Southwest, LLC
Sprint Spectrum L.P.
Sprint Telephony PCS, L.P.
Station Venture Operations, LP
T-Mobile License LLC
TV MICROWAVES CO
Telink Networks SW, LLC
Time Warner Cable Pacific West LLC
Turn Wireless, LLC
sUltimate Internet Access, Inc
Union Pacific Railroad Company
University of California, HPWREN
Ventura, County of
Verizon California Inc.
Verizon Wireless (VAW) LLC (Southern CA)
Verizon Wireless (VAW) LLC-N CA/NV
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
Wireless Applications Corp.
Wonderful Orchards
White, Fred K

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: 08/13/2015
Job Number: 150728COMSJC02

Administrative Information

Status: TEMPORARY (Operation from 08/16/2015 to 11/20/2015)
Call Sign: TEMP11
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: 11.0 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 / 6173.7
850KFXD / 6176.3

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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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 11.0 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

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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		8.6 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
185	6.64	106.67	4.53	347.90
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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19700 Janelia Farm Blvd.
Ashburn, Va. 20147

DATED: August 13, 2015