

September 22, 2017

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

Re: Request for Special Temporary Authority
Fillmore, California Earth Station E4132
File No. SES-STA-20170912-01001

Dear Ms. Dortch:

Intelsat License LLC (“Intelsat”) herein supplements its above referenced request for Special Temporary Authority (“STA”). Specifically, Intelsat is providing the attached coordination report.

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

Sincerely,

/s/ Cynthia J. Grady

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
Fillmore, California**

Temporary Transmit-Only Earth Station
Operation Dates: 09/28/2017 - 10/28/2017

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 September 11, 2017.

Company

Air Sites 2000 LLC
Arizona Public Service Company (APS)
Arizona, State Of
BNSF Railway Company
Boeing Company
CBS Broadcasting Inc
CBS Communications Services Inc
CCO SoCal I, LLC
California Internet Solutions, Inc.
California, State of
City of Glendale
City of Los Angeles Dept Water & Power
City of Pomona
City of Torrance
City of Yuma
Coachella Valley Water District
Eastern Municipal Water District
El Paso Natural Gas Company, LLC
Federal Communication Commission
Fisher Wireless Services, Inc.
Freeport-McMoRan Oil & Gas LLC
Fresno MSA Limited Partnership
Glendale City California
Global Telecom & Technology Americas
Global Telecom & Technology Americas, In
Harris Corporation (Virginia)
Incomm Division Church of Scientology
Kern, County of
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

Los Angeles Unified School District
MHO Networks
Metropolitan Water Dist of So California
Mile High Inc.
Mobile Relay Associates Inc.
New Cingular Wireless PCS LLC - N CAL
Olympic Wireless, LLC
Orange, County of, CA
Pacific Gas and Electric Company
Riverside, County of
San Bernardino County of California
San Diego Gas & Electric Company
San Diego, County of
Santa Barbara, County of
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
Sprint PCS
Sprint Telephony PCS, L.P.
Ultimate Internet Access, Inc
Union Pacific Railroad Company
Vectus, Inc
Venoco, Inc.
Ventura, County of
Verizon Wireless (VAW) LLC (Southern CA)
Verizon Wireless (VAW) LLC-N CA/NV
Verizon Wireless(VAW) LLC-AZ/CO/NM/NV/UT
WWC License LLC - AZ/CO/NM/NV/UT

There are no unresolved interference objections with the station contained in these applications.

The following section presents the data pertinent to frequency coordination of the 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: 09/11/2017
Job Number: 170911COMSGE01

Administrative Information

Status: TEMPORARY (Operation from 09/28/2017 to 10/28/2017)
Call Sign: TEMP10
Licensee Code: INTELS
Licensee Name: Intelsat License LLC

Site Information

FILLMORE, CA

Venue Name
Latitude (NAD 83): 34° 24' 22.0" N
Longitude (NAD 83): 118° 53' 37.4" W
Climate Zone: A
Rain Zone: 4
Ground Elevation (AMSL): 313.94 m / 1030.0 ft

Link Information

Satellite Type: Geostationary
Mode: TO - Transmit-Only
Modulation: Digital
Satellite Arc: 45.6° W to 190° West Longitude
Azimuth Range: 99.6° to 259.1°
Corresponding Elevation Angles: 5.1° / 6.9°
Antenna Centerline (AGL): 8.23 m / 27.0 ft

Antenna Information

Transmit - FCC32

Manufacturer: Scientific-Atlanta
Model: 3311
Gain / Diameter: 53.8 dBi / 10.0 m
3-dB / 15-dB Beamwidth: 0.40° / 0.60°

Max Available RF Power (dBW/4 kHz): 10.7
(dBW/MHz): 34.7

Maximum EIRP (dBW/4 kHz): 64.5
(dBW/MHz): 88.5

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

Frequency Information

Transmit 6.7 GHz

Emission / Frequency Range (MHz): 1M00FXD / 6430.0
1M00FXD / 6432.0

Max Great Circle Coordination Distance: 529.5 km / 329.0 mi
Precipitation Scatter Contour Radius: 392.4 km / 243.8 mi

Coordination Values	FILLMORE, CA	
Licensee Name	Intelsat License LLC	
Latitude (NAD 83)	34° 24' 22.0" N	
Longitude (NAD 83)	118° 53' 37.4" W	
Ground Elevation (AMSL)	313.94 m / 1030.0 ft	
Antenna Centerline (AGL)	8.23 m / 27.0 ft	
Antenna Model	FCC Reference 32-25LOG(THETA)	
Antenna Mode	Transmit 6.7 GHz	
Interference Objectives: Long Term	-154.0 dBW/4 kHz	20%
Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	10.7 (dBW/4 kHz)	

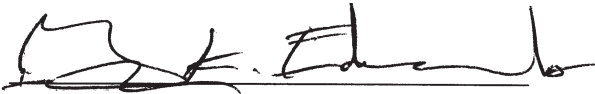
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	9.41	99.60	-10.00	100.00
5	9.28	94.62	-10.00	100.00
10	10.39	89.63	-10.00	100.00
15	10.81	84.65	-10.00	100.00
20	11.67	79.70	-10.00	100.00
25	12.11	74.75	-10.00	100.00
30	11.51	69.76	-10.00	100.00
35	10.87	64.77	-10.00	100.00
40	11.36	59.83	-10.00	100.00
45	12.04	54.93	-10.00	100.00
50	12.00	49.98	-10.00	100.00
55	11.61	45.01	-9.33	100.00
60	10.79	39.97	-8.04	100.00
65	9.78	34.91	-6.57	100.00
70	9.99	30.00	-4.93	100.00
75	9.18	24.95	-2.93	100.00
80	8.81	19.97	-0.51	100.00
85	8.14	14.94	2.64	104.81
90	7.27	9.88	7.14	132.06
95	5.88	4.70	15.20	193.61
100	6.25	0.44	40.98	529.49
105	6.17	3.67	17.90	205.90
110	4.75	8.51	8.76	171.59
115	2.86	13.60	3.66	182.83
120	2.00	18.02	0.61	187.69
125	1.86	21.93	-1.52	181.15
130	2.45	25.27	-3.06	156.87
135	2.61	28.73	-4.46	146.81
140	2.66	32.11	-5.67	140.85
145	2.81	35.20	-6.66	134.00
150	2.62	38.28	-7.57	134.16
155	3.21	40.44	-8.17	122.35
160	2.93	42.90	-8.81	125.10
165	3.48	44.21	-9.14	114.10
170	3.26	45.71	-9.50	116.59
175	3.12	46.63	-9.72	118.21
180	2.52	47.50	-9.92	128.52
185	2.35	47.40	-9.89	131.99

Coordination Values	FILLMORE, CA	
Licensee Name	Intelsat License LLC	
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Antenna Mode	Transmit 6.7 GHz	
Interference Objectives:	Long Term	-154.0 dBW/4 kHz 20%
	Short Term	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	10.7 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	2.28	46.64	-9.72	133.89
195	0.77	46.65	-9.72	181.33
200	0.45	45.00	-9.33	202.67
205	1.20	42.04	-8.59	167.75
210	0.96	39.53	-7.92	179.46
215	0.92	36.55	-7.07	185.22
220	0.00	33.92	-6.26	238.35
225	0.00	30.45	-5.09	243.99
230	0.00	26.83	-3.72	250.20
235	0.00	23.09	-2.08	258.72
240	0.00	19.24	-0.11	269.64
245	0.00	15.33	2.36	284.22
250	0.00	11.34	5.63	305.12
255	0.00	7.96	9.47	332.04
260	0.00	6.92	10.99	479.10
265	0.00	9.07	8.06	321.90
270	0.00	12.90	4.24	295.98
275	1.11	16.93	1.29	214.47
280	1.29	21.64	-1.38	198.57
285	2.94	26.22	-3.47	144.38
290	4.19	31.05	-5.30	116.60
295	4.00	36.05	-6.92	113.08
300	4.44	41.01	-8.32	101.89
305	3.70	46.03	-9.58	108.42
310	3.09	51.05	-10.00	117.75
315	2.77	56.05	-10.00	123.56
320	3.24	61.01	-10.00	114.92
325	3.81	65.98	-10.00	104.86
330	5.52	70.95	-10.00	100.00
335	7.47	75.95	-10.00	100.00
340	8.31	80.95	-10.00	100.00
345	8.76	85.95	-10.00	100.00
350	9.64	90.95	-10.00	100.00
355	9.46	95.94	-10.00	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.

BY: 

Gary K. Edwards
Senior Manager
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147

DATED: September 11, 2017