

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: 02/20/2019 - 04/20/2019

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 December 17, 2018.

Company

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

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  
New Cingular Wireless PCS, LLC - SE 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 Spectrum L.P.  
Sprint Telephony PCS, L.P.  
Ultimate Internet Access, Inc  
Union Pacific Railroad Company  
University of California, HPWREN  
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

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

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Date: 01/03/2019  
Job Number: 181217COMSGE01

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### Administrative Information

Status TEMPORARY (Operation from 02/20/2019 to 04/20/2019)  
Call Sign E4132  
Licensee Code INTELS  
Licensee Name Intelsat License LLC

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### Site Information

**FILLMORE, CA**  
Venue Name  
Latitude (NAD 83) 34° 24' 22.0" N  
Longitude (NAD 83) 118° 53' 34.0" W  
Climate Zone A  
Rain Zone 4  
Ground Elevation (AMSL) 331.09 m / 1086.3 ft

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### Link Information

Satellite Type Geostationary  
Mode TO - Transmit-Only  
Modulation Digital  
Satellite Arc 45.6° W to 192.2° West Longitude  
Azimuth Range 99.6° to 260.4°  
Corresponding Elevation Angles 5.1° / 5.0°  
Antenna Centerline (AGL) 8.23 m / 27.0 ft

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### Antenna Information

**Transmit - FCC32**  
Manufacturer Scientific-Atlanta  
Model 3311  
Gain / Diameter 53.8 dBi / 10.3 m  
3-dB / 15-dB Beamwidth 0.40° / 0.60°

Max Available RF Power (dBW/4 kHz) 10.0  
(dBW/MHz) 34.0

Maximum EIRP (dBW/4 kHz) 64.0  
(dBW/MHz) 88.0

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

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### Frequency Information

**Transmit 6.1 GHz**  
Emission / Frequency Range (MHz) 1M00GXD / 6718.0

Max Great Circle Coordination Distance 535.5 km / 332.7 mi  
Precipitation Scatter Contour Radius 377.8 km / 234.7 mi

<b>Coordination Values</b>	<b>FILLMORE, CA</b>	
Licensee Name	Intelsat License LLC	
Latitude (NAD 83)	34° 24' 22.0" N	
Longitude (NAD 83)	118° 53' 34.0" W	
Ground Elevation (AMSL)	331.09 m / 1086.3 ft	
Antenna Centerline (AGL)	8.23 m / 27.0 ft	
Antenna Model	Scientific-Atlanta 10.3 meter	
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	10.0 (dBW/4 kHz)	

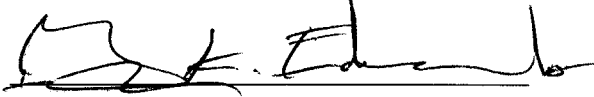
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	9.23	99.59	-10.00	100.00
5	10.68	94.61	-10.00	100.00
10	11.53	89.63	-10.00	100.00
15	9.69	84.65	-10.00	100.00
20	7.91	79.64	-10.00	100.00
25	9.98	74.69	-10.00	100.00
30	9.81	69.70	-10.00	100.00
35	10.40	64.75	-10.00	100.00
40	10.04	59.75	-10.00	100.00
45	9.30	54.74	-10.00	100.00
50	8.25	49.70	-10.00	100.00
55	7.02	44.66	-9.25	100.00
60	8.47	39.75	-7.98	100.00
65	9.70	34.90	-6.57	100.00
70	9.19	29.89	-4.89	100.00
75	8.53	24.86	-2.89	100.00
80	7.11	19.73	-0.38	100.49
85	5.27	14.63	2.87	132.56
90	4.58	9.64	7.40	161.57
95	5.46	4.65	15.32	195.16
100	4.77	0.47	40.28	525.95
105	3.79	5.08	14.34	213.40
110	3.63	9.18	7.93	184.19
115	2.67	13.72	3.57	183.23
120	2.31	17.83	0.72	177.38
125	1.52	22.14	-1.63	187.27
130	2.21	25.42	-3.13	158.97
135	2.38	28.89	-4.52	148.56
140	2.46	32.24	-5.71	141.79
145	2.77	35.22	-6.67	133.29
150	2.42	38.43	-7.62	135.14
155	2.83	40.74	-8.25	126.47
160	2.84	42.99	-8.83	124.19
165	3.34	44.34	-9.17	113.76
170	2.95	46.01	-9.57	119.26
175	2.90	46.86	-9.77	119.44
180	2.60	47.42	-9.90	124.52
185	2.02	47.72	-9.97	134.07

<b>Coordination Values</b>	<b>FILLMORE, CA</b>	
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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	10.0 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 6.7 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	2.12	46.80	-9.76	134.19
195	0.87	46.57	-9.70	173.10
200	0.26	45.15	-9.37	214.86
205	0.93	42.25	-8.65	174.79
210	0.65	39.75	-7.98	192.37
215	0.87	36.59	-7.08	184.97
220	0.00	33.92	-6.26	235.05
225	0.00	30.45	-5.09	240.59
230	0.00	26.83	-3.72	247.31
235	0.00	23.09	-2.08	255.01
240	0.00	19.24	-0.11	265.69
245	0.00	15.33	2.36	279.98
250	0.00	11.35	5.63	300.44
255	0.00	7.37	10.31	333.05
260	0.00	5.06	14.40	535.49
265	0.00	6.84	11.13	339.08
270	0.00	10.85	6.11	303.65
275	0.92	15.18	2.47	224.33
280	1.16	19.99	-0.52	203.12
285	2.42	24.75	-2.84	155.22
290	4.00	29.64	-4.80	118.45
295	3.78	34.64	-6.49	115.93
300	4.19	39.63	-7.95	104.05
305	3.71	44.64	-9.24	106.76
310	3.07	49.65	-10.00	115.29
315	2.67	54.65	-10.00	122.82
320	2.97	59.64	-10.00	117.12
325	4.02	64.62	-10.00	100.00
330	5.35	69.62	-10.00	100.00
335	6.18	74.62	-10.00	100.00
340	6.77	79.62	-10.00	100.00
345	7.57	84.62	-10.00	100.00
350	7.96	89.62	-10.00	100.00
355	8.29	94.61	-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: January 3, 2019