

Exhibit C

Prepared By

COMSEARCH

21515 Ridgetop Circle, Suite 300
Sterling, Va. 20166
(703)726-5500 <http://www.comsearch.com>

Prepared For

Intelsat License LLC Fillmore, California

Temporary Transmit-Only Earth Station
Operation Dates: 10/15/2022 - 04/15/2023

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 05, 2022.

SUPPLEMENTAL SHOWING

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.

Coordination data for this earth station was sent to the below listed carriers with a letter dated 09/05/2022.

Company

AT&T Mobility Spectrum LLC - Southern CA
AVX Networks
Anaheim City, of
Arizona Public Service Company (APS)
Arizona, State Of
BNS Electronics, Inc.
Broadcom Corporation
California Internet Solutions, Inc.
California Internet, L.P
California Resources Corporation
California, State of
Calvary Chapel of Costa Mesa
Catalina Broadband Solutions, LLC
Cellco Partnership - N CA/NV
Cellco Partnership - Southern California
Cellco Partnership-AZ/CO/NM/NV/UT
City of Los Angeles Dept Water & Power
City of Montebello
City of West Covina
Coachella Valley Water District
Coast Community College District
Conterra Ultra Broadband, LLC
DM Ventures, Inc. dba Warp2Biz
Dos Cuadras Offshore Resources
Exxon Communications Company
Federal Communication Commission

Fox Television Stations, LLC
FractalVision Technology Services, Inc
Fresno MSA Limited Partnership
Frontier California Inc.
Frontier Communications of the Southwest
GTE Mobilnet of Santa Barbara LTD Ptnsh
Glendale City California
Go Creative Wireless
GovNET Licenses LLC
HPWREN University of California, San Die
KABC Television, LLC
KMEX License Partnership GP
Kern County Superintendent of Schools
Kern, County of
LDM Engineering
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
Mobile Relay Associates Inc.
New Cingular Wireless PCS LLC - AZ
New Cingular Wireless PCS - Los Angeles
New Cingular Wireless PCS, LLC - S/E CAL
Northrop Grumman Systems Corp.
Olympic Wireless, LLC
One Ring Networks, Inc.
Orange, County of, CA
Pacific Bell Tel Com dba AT&T California
Pacific Gas and Electric Company
Pacific Lightwave Inc
Port of Los Angeles
Public Media Group of Southern Californi
RNN National, LLC
Regents of the University of California
Rincon Broadband
Riverside, County of
San Bernardino County of California
Santa Barbara Cellular Systems, Ltd.
Santa Barbara, County of
Santa Monica Community College District
Sentinel Peak Resources California LLC
Skyriver Communications
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
Spectrum Link, Inc.
Sunburst Church of Self Realization
T-Mobile License LLC
TV Microwaves Company
Towerstream Corp.
Tribune Media Company

Union Pacific Railroad Company
Ventura, County of
Venture Technologies Group, LLC
Wiline Spectrum Holdings LLC

EARTH STATION COORDINATION DATA

This 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: 09/05/2022
Job Number: 220905COMSGE01

Administrative Information

Status: TEMPORARY (Operation from 10/15/2022 to 04/15/2023)
Call Sign: TEMP04
Licensee Code: INTELS
Licensee Name: Intelsat License LLC

Site Information

FILLMORE, CA

Venue Name
Latitude (NAD 83): 34° 24' 19.0" N
Longitude (NAD 83): 118° 53' 36.0" W
Climate Zone: A
Rain Zone: 4
Ground Elevation (AMSL): 302.06 m / 991.0 ft
Country: ESID:9503

Link Information

Satellite Type: Geostationary
Mode: TR - Transmit-Receive
Modulation: Digital
Satellite Arc: 47° W to 192° West Longitude
Azimuth Range: 100.5° to 260.3°
Corresponding Elevation Angles: 6.2° / 5.2°
Antenna Centerline (AGL): 7.13 m / 23.4 ft

Antenna Information

Receive - FCC29

Transmit - FCC29

Manufacturer	Universal Ant Inc	Universal Ant Inc			
Model	1200 CH	1200 CH			
Gain / Diameter	52.2 dBi / 12.0 m	55.6 dBi / 12.0 m			
3-dB / 15-dB Beamwidth	0.40° / 0.80°	0.20° / 0.60°			
Max Available RF Power (dBW/4 kHz)		8.4			
	(dBW/MHz)	32.4			
Maximum EIRP (dBW/4 kHz)		64.0			
	(dBW/MHz)	88.0			
Interference Objectives:	Long Term	-155.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%
	Short Term	-144.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%

Frequency Information

Receive 4.0 GHz

Transmit 6.1 GHz

Emission / Frequency Range (MHz)	500KG2D / 4000.0 - 4200.0	1M00F2D / 6415.0 - 6425.0
Max Great Circle Coordination Distance	667.1 km / 414.5 mi	549.2 km / 341.2 mi
Precipitation Scatter Contour Radius	429.0 km / 266.5 mi	317.7 km / 197.4 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' 19.0" N			
Longitude (NAD 83)		118° 53' 36.0" W			
Ground Elevation (AMSL)		302.06 m / 991.0 ft			
Antenna Centerline (AGL)		7.13 m / 23.4 ft			
Antenna Model		Universal 12 meter			
Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz	
Interference Objectives:		Long Term	-155.0 dBW/MHz	20%	-154.0 dBW/4 kHz 20%
		Short Term	-144.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power		8.4 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	10.59	99.70	-10.00	100.00	-10.00	100.00
5	11.04	95.45	-10.00	100.00	-10.00	100.00
10	13.03	90.47	-10.00	100.00	-10.00	100.00
15	12.88	85.50	-10.00	100.00	-10.00	100.00
20	11.39	80.51	-10.00	100.00	-10.00	100.00
25	12.33	75.55	-10.00	100.00	-10.00	100.00
30	12.92	70.61	-10.00	100.00	-10.00	100.00
35	12.80	65.64	-10.00	100.00	-10.00	100.00
40	12.63	60.67	-10.00	100.00	-10.00	100.00
45	11.40	55.63	-10.00	100.00	-10.00	100.00
50	11.09	50.64	-10.00	100.00	-10.00	100.00
55	10.81	45.65	-9.49	100.00	-9.49	100.00
60	10.50	40.66	-8.23	100.00	-8.23	100.00
65	10.51	35.70	-6.82	100.00	-6.82	100.00
70	9.74	30.65	-5.16	100.08	-5.16	100.00
75	8.29	25.55	-3.18	120.74	-3.18	100.00
80	7.45	20.51	-0.80	138.01	-0.80	100.00
85	8.58	15.65	2.14	140.31	2.14	100.00
90	8.81	10.79	6.18	160.48	6.18	103.84
95	8.57	5.95	9.63	187.10	9.63	120.22
100	7.31	1.11	27.84	596.99	27.84	484.61
105	6.75	3.32	15.98	248.87	15.98	173.53
110	5.41	8.10	8.00	212.46	8.00	144.98
115	4.42	12.65	4.45	205.72	4.45	141.98
120	3.31	17.21	1.10	208.24	1.10	146.89
125	2.43	21.58	-1.35	214.61	-1.35	154.66
130	2.81	25.03	-2.96	200.76	-2.96	139.39
135	2.64	28.71	-4.45	197.09	-4.45	136.76
140	2.77	32.03	-5.64	188.56	-5.64	131.28
145	2.94	35.10	-6.63	179.66	-6.63	124.45
150	2.77	38.17	-7.54	179.10	-7.54	124.21
155	3.44	40.25	-8.12	159.01	-8.12	109.72
160	3.14	42.73	-8.77	162.57	-8.77	112.67
165	3.59	44.11	-9.11	151.03	-9.11	103.14
170	3.52	45.47	-9.44	151.02	-9.44	103.23
175	3.30	46.46	-9.68	154.40	-9.68	106.20
180	2.83	47.19	-9.85	164.12	-9.85	114.24
185	2.41	47.33	-9.88	175.68	-9.88	122.02

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Earth Station Data Sheet

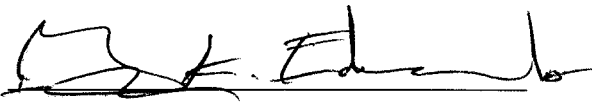
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		Short Term	-144.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power		8.4 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 4.0 GHz		Transmit 6.1 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	2.63	46.31	-9.64	171.75	-9.64	118.80
195	1.01	46.43	-9.67	211.71	-9.67	156.29
200	0.64	44.84	-9.29	234.06	-9.29	180.52
205	1.35	41.92	-8.56	207.12	-8.56	150.87
210	0.88	39.58	-7.94	227.17	-7.94	173.09
215	1.34	36.25	-6.98	214.89	-6.98	158.41
220	0.00	33.92	-6.26	296.58	-6.26	227.74
225	0.00	30.45	-5.09	304.46	-5.09	233.06
230	0.00	26.83	-3.72	314.61	-3.72	239.51
235	0.00	23.09	-2.09	326.23	-2.09	247.46
240	0.00	19.24	-0.11	340.70	-0.11	256.99
245	0.00	15.32	2.37	359.42	2.37	270.63
250	0.00	11.34	5.63	385.17	5.63	290.23
255	0.00	7.40	8.00	407.88	8.00	308.99
260	0.00	5.22	11.07	667.10	11.07	549.17
265	0.00	7.04	8.00	404.02	8.00	305.56
270	0.00	11.03	5.93	387.58	5.93	292.11
275	1.08	15.29	2.39	281.39	2.39	209.60
280	1.17	20.13	-0.60	257.51	-0.60	195.13
285	2.73	24.86	-2.89	202.73	-2.89	141.22
290	4.11	29.76	-4.84	161.52	-4.84	110.77
295	3.60	34.77	-6.53	163.45	-6.53	113.02
300	4.46	39.75	-7.98	140.99	-7.98	100.00
305	4.00	44.75	-9.27	142.30	-9.27	100.00
310	3.40	49.76	-10.00	150.79	-10.00	103.21
315	2.97	54.77	-10.00	160.23	-10.00	111.16
320	3.42	59.76	-10.00	150.44	-10.00	102.91
325	3.93	64.75	-10.00	140.39	-10.00	100.00
330	4.80	69.74	-10.00	129.47	-10.00	100.00
335	7.07	74.75	-10.00	105.53	-10.00	100.00
340	8.33	79.75	-10.00	100.00	-10.00	100.00
345	8.69	84.75	-10.00	100.00	-10.00	100.00
350	9.28	89.74	-10.00	100.00	-10.00	100.00
355	9.88	94.72	-10.00	100.00	-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 APPLICATION, THAT I AM FAMILIAR WITH PARTS 101 AND 25 OF THE FCC RULES AND REGULATIONS, THAT I HAVE EITHER PREPARED OR REVIEWED THE FREQUENCY COORDINATION DATA SUBMITTED WITH THIS APPLICATION, AND THAT IT IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

BY: 

Gary K. Edwards
Senior Manager
COMSEARCH
21515 Ridgetop Circle, Suite 300
Sterling, VA 20166

DATED: September 19, 2022