

Exhibit B

Prepared By

COMSEARCH

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

Prepared For

Intelsat License LLC Nuevo, California

Temporary Transmit-Only Earth Station
Operation Dates: 09/27/2022 - 03/27/2023

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 26, 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 09/26/2022.

Company

AT&T Mobility Spectrum LLC - AZ
AT&T Mobility Spectrum LLC - Southern CA
AVX Networks
Alltel Comm Southwest Holdings Inc.
Anaheim City, of
Arizona Public Service Company (APS)
Arizona, State Of
BNSF Railway Company
Broadcom Corporation
California Internet Solutions, Inc.
California Internet, L.P
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 Casa Grande
City of Los Angeles Dept Water & Power
City of Montebello
City of West Covina
City of Yuma
Coachella Valley Water District
Coast Community College District
Commnet Four Corners, LLC
DM Ventures, Inc. dba Warp2Biz

DRS Global Enterprise Solutions, Inc.
DW Tower, LLC
Federal Communication Commission
Fox Television Stations, LLC
Fresno MSA Limited Partnership
Frontier California Inc.
Gila River Cellular General Partnership
Glendale City California
GovNET Licenses LLC
HPWREN University of California, San Die
Imperial Irrigation District
KABC Television, LLC
KMEX License Partnership GP
Kern County Superintendent of Schools
Kern Ed Telecom Consortium
Kern, County of
LDM Engineering
Lightwave Broadband LLC
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
Maricopa County Ofc of Enterprise Tech
Mediacom California LLC
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 -San Diego
New Cingular Wireless PCS, LLC - S/E CAL
Norris, Samuel O
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
Phoenix, City of
Pinal, County of
Port of Los Angeles
Public Media Group of Southern Californi
Qwest Corporation
RNN National, LLC
Regional 3Cs
Riverside, County of
San Bernardino County of California
San Diego Broadband
San Diego Gas & Electric Company
San Diego, City of
San Diego, County of
Santa Monica Community College District

Sky Valley Network LLC
Skyriver Communications
Southern California Edison Company
Southern California Gas Company
Southern California Regional Rail Auth.
Spectrum Link, Inc.
Spectrum Pacific West, LLC
Sprint Spectrum LLC
Station Venture Operations, LP
T-Mobile License LLC
TV Microwaves Company
Table Top Telephone Company
Telink Networks SW, LLC
Tribune Media Company
Tucson Electric Power Company
Ultimate Internet Access, Inc
Union Pacific Railroad Company
Venture Technologies Group, LLC
Western Broadband Inc.
Wiline Spectrum Holdings LLC
Wisprenn

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

21515 Ridgetop Circle, Suite 300
Sterling, Va. 20166

Date: 09/26/2022
Job Number: 220926COMSGE08

Administrative Information

Status: TEMPORARY (Operation from 09/27/2022 to 03/27/2023)
Call Sign: TEMP03
Licensee Code: INTELS
Licensee Name: Intelsat License LLC

Site Information

NUEVO, CA
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): 566.6 m / 1858.9 ft
Country: ESID:9414

Link Information

Satellite Type: Geostationary
Mode: TR - Transmit-Receive
Modulation: Analog and Digital
Satellite Arc: 44° W to 190° West Longitude
Azimuth Range: 99.6° to 260.3°
Corresponding Elevation Angles: 5.3° / 5.5°
Antenna Centerline (AGL): 7.32 m / 24.0 ft

Antenna Information

		Receive - FCC32	Transmit - FCC32
Manufacturer		TIW/GD Satcom	TIW/GD Satcom
Model		950	950
Gain / Diameter		51.9 dBi / 11.1 m	54.8 dBi / 11.1 m
3-dB / 15-dB Beamwidth		0.44° / 0.84°	0.29° / 0.54°
Max Available RF Power	(dBW/4 kHz) (dBW/MHz)		9.2 33.2
Maximum EIRP	(dBW/4 kHz) (dBW/MHz)		64.0 88.0
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%
	Short Term	-146.0 dBW/MHz	0.01%
			-154.0 dBW/4 kHz 20% -131.0 dBW/4 kHz 0.0025%

Frequency Information

	Receive 4.0 GHz	Transmit 6.1 GHz
Emission / Frequency Range (MHz)	1K00N2N - 1M00F2D / 3800.0 1K00N2N - 1M00F2D / 3940.0 1K00N2N - 1M00F2D / 4198.0 1K00N2N - 1M00F2D / 4199.875	1K00N2N - 1M00F2D / 6025.0 1K00N2N - 1M00F2D / 6165.0 1K00N2N - 1M00F2D / 6420.5
Max Great Circle Coordination Distance	681.3 km / 423.3 mi	535.5 km / 332.7 mi
Precipitation Scatter Contour Radius	429.4 km / 266.8 mi	355.6 km / 220.9 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)	566.6 m / 1858.9 ft		
Antenna Centerline (AGL)	7.32 m / 24.0 ft		
Antenna Model	11.1 meter		
Antenna Mode	Receive 4.0 GHz Transmit 6.1 GHz		
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz 20%
Short Term	-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz 0.0025%
Max Available RF Power	9.2 (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	1.05	99.57	-10.00	218.60	-10.00	157.14
5	2.26	94.59	-10.00	188.55	-10.00	127.52
10	1.95	89.60	-10.00	195.77	-10.00	133.69
15	2.48	84.61	-10.00	183.63	-10.00	123.41
20	2.68	79.61	-10.00	178.83	-10.00	119.48
25	2.76	74.62	-10.00	177.15	-10.00	118.11
30	3.51	69.61	-10.00	158.07	-10.00	104.27
35	3.36	64.62	-10.00	161.30	-10.00	106.91
40	3.44	59.62	-10.00	159.64	-10.00	105.56
45	3.27	54.63	-10.00	163.34	-10.00	108.54
50	2.87	49.65	-10.00	174.44	-10.00	115.94
55	2.62	44.67	-9.25	184.11	-9.25	123.62
60	2.70	39.67	-7.96	188.54	-7.96	127.01
65	3.53	34.64	-6.49	177.42	-6.49	117.28
70	3.20	29.67	-4.81	193.22	-4.81	129.39
75	3.22	24.69	-2.81	202.74	-2.81	135.30
80	3.86	19.65	-0.34	202.55	-0.34	133.74
85	3.41	14.72	2.80	227.37	2.80	156.61
90	3.32	9.81	7.21	261.07	7.21	183.01
95	2.98	5.16	14.18	330.08	14.18	225.44
100	2.90	2.46	22.22	634.98	22.22	495.21
105	3.63	5.38	13.72	305.86	13.72	208.75
110	3.83	9.29	7.80	252.23	7.80	174.77
115	3.72	13.34	3.87	227.07	3.87	155.16
120	3.87	17.17	1.13	207.61	1.13	139.59
125	3.77	21.07	-1.09	200.43	-1.09	133.60
130	4.37	24.39	-2.68	181.14	-2.68	118.34
135	3.88	28.30	-4.29	181.38	-4.29	119.35
140	4.24	31.46	-5.45	166.60	-5.45	109.65
145	4.02	34.82	-6.54	164.56	-6.54	108.59
150	4.61	37.30	-7.29	150.91	-7.29	100.00
155	5.52	39.14	-7.82	137.25	-7.82	100.00
160	4.59	42.10	-8.61	145.10	-8.61	100.00
165	4.90	43.57	-8.98	139.05	-8.98	100.00
170	5.24	44.48	-9.20	134.35	-9.20	100.00
175	5.96	44.51	-9.21	128.71	-9.21	100.00
180	6.44	44.27	-9.15	123.74	-9.15	100.00
185	7.14	43.34	-8.92	117.07	-8.92	100.00

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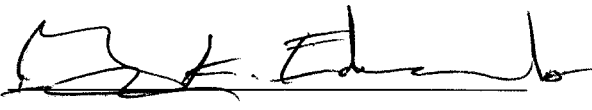
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Antenna Centerline (AGL)		7.32 m / 24.0 ft				
Antenna Model		11.1 meter				
Antenna Mode		Receive 4.0 GHz		Transmit 6.1 GHz		
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-154.0 dBW/4 kHz	20%	
Short Term		-146.0 dBW/MHz	0.01%	-131.0 dBW/4 kHz	0.0025%	
Max Available RF Power		9.2 (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	6.93	42.86	-8.80	119.88	-8.80	100.00
195	6.49	42.11	-8.61	125.39	-8.61	100.00
200	6.30	40.61	-8.22	128.99	-8.22	100.00
205	6.19	38.60	-7.66	132.43	-7.66	100.00
210	6.47	35.86	-6.86	132.58	-6.86	100.00
215	6.41	33.06	-5.98	135.62	-5.98	100.00
220	7.77	28.97	-4.55	128.39	-4.55	100.00
225	7.61	25.76	-3.27	134.14	-3.27	100.00
230	5.78	23.48	-2.27	161.36	-2.27	104.00
235	6.08	19.60	-0.31	170.59	-0.31	108.80
240	5.71	16.04	1.87	187.92	1.87	121.27
245	5.85	12.06	4.97	203.96	4.97	132.16
250	5.41	8.35	8.95	232.06	8.95	153.56
255	4.77	4.74	15.11	290.32	15.11	198.41
260	4.53	0.99	32.07	681.28	32.07	535.49
265	4.49	4.81	14.95	295.06	14.95	201.92
270	4.51	9.75	7.27	234.27	7.27	157.73
275	4.31	14.75	2.78	209.21	2.78	139.82
280	4.56	19.73	-0.38	190.62	-0.38	124.87
285	3.40	24.79	-2.86	198.82	-2.86	133.14
290	2.86	29.81	-4.86	200.20	-4.86	134.15
295	1.07	34.95	-6.59	236.26	-6.59	174.17
300	0.78	39.94	-8.03	243.74	-8.03	182.04
305	0.00	44.97	-9.32	289.62	-9.32	217.93
310	0.00	49.93	-10.00	285.28	-10.00	215.11
315	0.00	54.89	-10.00	285.28	-10.00	215.11
320	0.00	59.86	-10.00	285.28	-10.00	215.11
325	0.00	64.83	-10.00	285.28	-10.00	215.11
330	0.00	69.80	-10.00	285.28	-10.00	215.11
335	0.00	74.78	-10.00	285.28	-10.00	215.11
340	0.00	79.75	-10.00	285.28	-10.00	215.11
345	0.00	84.73	-10.00	285.28	-10.00	215.11
350	0.00	89.71	-10.00	285.28	-10.00	215.11
355	0.00	94.68	-10.00	285.28	-10.00	215.11

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: October 18, 2022