

Ka,Q/V-Band Earth Station – American Canyon, CA.

Frequency Coordination Report

Ka, Q/V-Band



Prepared on Behalf of
**SPACE EXPLORATION
HOLDINGS**

July 1, 2026



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1. Summary of Results

On behalf of SPACE EXPLORATION HOLDINGS, Comsearch performed a coordination notice under Section 25.203(c) of the FCC's rules for all existing and proposed terrestrial licenses within the coordination contours of their proposed Ka, Q/V-band earth station in American Canyon, CA which will receive at 40 GHz and transmit at 28 and 50 GHz¹. Prior-notification letters were sent to the licensees and a copy of the notification data is provided in section four of this report. The earth station coordination was finalized on July 1, 2026.

There are no unresolved objections from any of the incumbent 28/40/50 GHz licensees.

2. 28/40/50 GHz Common Carrier and LTTS Coordination

In accordance with FCC Rules and Regulations, the Ka, Q/V-band earth station in American Canyon, CA was prior-coordinated by Comsearch. A notification letter and datasheets for this earth station were sent to the following 28/40/50 GHz common carrier fixed microwave licensees. These licensees are authorized to operate temporary fixed operations from 38.6 – 40.0 GHz on a nationwide basis or local basis.

Licensee	Authorized Geographic Area
AT&T	Statewide CA

A notification letter and datasheets for the Ka, Q/V-band earth station in American Canyon, CA were also sent to the following 40 GHz LTTS licensee. This licensee is authorized to operate temporary fixed operations from 38.6 – 40.0 GHz on a market basis.

Licensee	Authorized Geographic Area
Broadcast Sports International, LLC	Nationwide
DCI II Inc	Nationwide
Remote Facilities Consulting Services Inc	Nationwide

No objections were received from the common carrier or LTTS incumbents.

¹ The proposed earth station will receive in the 37.5 – 42.5 GHz & transmit in the 47.2-50.2 GHz / 50.4-52.4 GHz portion of the Q/V-Band. Ka-band transmissions will be in the 27.5 – 31.0 GHz band.

3. 28/40/50 GHz UMFUS Coordination

There were eight 28/40/50 GHz UMFUS licensees identified within the coordination distance of the proposed earth station. The proposed earth station will operate on frequencies that overlap portions of the UMFUS service which includes the following frequency ranges:

27.5 GHz – 31.0 GHz
37.5 GHz – 42.5 GHz
47.2 GHz – 50.2 GHz

Licensee	Authorized Geographic Area
AT&T	Market Based
Broadband One	Market Based
Columbia Capital	Market Based
GeoLinks	Market Based
DISH Network	Market Based
US Cellular	Market Based
T-Mobile	Market Based
Verizon	Market Based

There were no objections from the UMFUS incumbents within the coordination distance at the end of the coordination period.



4. Earth Station Coordination Data

This section presents the data pertinent to the proposed Ka, Q/V-band earth station in American Canyon, CA. This data was circulated to all incumbent licensees in the shared 28/40/50 GHz frequency ranges.

SPACE EXPLORATION HOLDINGS
Ka, Q/V-Band Earth Station – American Canyon, CA
Frequency Coordination Report
28/40/50 GHz

Date: 06/04/2026
Job Number: 260604COMSGE07

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign:
Licensee Code: SPACEX
Licensee Name: SpaceX Services, Inc

Site Information

AMERICAN CANYON, CA
Venue Name: VALLEJO POMO
Latitude (NAD 83): 38° 10' 34.5" N
Longitude (NAD 83): 122° 15' 7.2" W
Climate Zone: A
Rain Zone: 3
Ground Elevation (AMSL): 21.67 m / 71.1 ft

Link Information

Satellite Type: Low Earth Orbit
Mode: TR - Transmit-Receive
Antenna Count: 40
Modulation: Digital
Minimum Elevation Angle: 10.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 1.4 m / 4.6 ft

Antenna Information

Manufacturer:
Model:
Gain / Diameter:
3-dB / 15-dB Beamwidth:

Receive - FCC32

SpaceX
1.99 meter
50.0 dBi / 2.0 m
0.50° / 1.00°

Transmit - FCC32

SpaceX
1.99 meter
53.9 dBi / 2.0 m
0.30° / 0.60°

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

-40.8
-16.8

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

13.1
37.1

Aggregate EIRP (dBW/MHz)

37.1

Interference Objectives: Long Term -156.0 dBW/MHz 20%
Short Term -146.0 dBW/MHz 0.01%

-151.0 dBW/4 kHz 20%
-128.0 dBW/4 kHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz)

Receive 18.0 GHz

60M0D7W - 480MD7W / 17300.0 - 17800.0
60M0D7W - 480MD7W / 17800.0 - 18600.0
60M0D7W - 480MD7W / 18600.0 - 18800.0
60M0D7W - 480MD7W / 18800.0 - 19300.0
60M0D7W - 480MD7W / 19300.0 - 19700.0
60M0D7W - 480MD7W / 19700.0 - 20200.0
60M0D7W - 480MD7W / 20200.0 - 21200.0

Transmit 28.0 GHz

60M0D7W - 480MD7W / 27500.0 - 29100.0
60M0D7W - 480MD7W / 29100.0 - 29500.0
60M0D7W - 480MD7W / 29500.0 - 30000.0
60M0D7W - 480MD7W / 30000.0 - 31000.0

Max Great Circle Coordination Distance
Precipitation Scatter Contour Radius

225.0 km / 139.8 mi
100.0 km / 62.1 mi

100.0 km / 62.1 mi
100.0 km / 62.1 mi

SPACE EXPLORATION HOLDINGS
Ka, Q/V-Band Earth Station – American Canyon, CA
Frequency Coordination Report
28/40/50 GHz

Coordination Values			AMERICAN CNY, CA			
Licensee Name			SpaceX Services, Inc			
Latitude (NAD 83)			38° 10' 34.5" N			
Longitude (NAD 83)			122° 15' 7.2" W			
Ground Elevation (AMSL)			21.67 m / 71.1 ft			
Antenna Centerline (AGL)			1.4 m / 4.6 ft			
Antenna Model			SpaceX 1.99 meter			
Antenna Mode			Receive 18.0 GHz		Transmit 28.0 GHz	
Interference Objectives: Long Term			-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
Short Term			-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%
Max Available RF Power			-40.8 (dBW/4 kHz)			
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.85	72.26	0.00	225.00	0.00	100.00
5	1.34	68.31	0.00	225.00	0.00	100.00
10	1.76	64.46	0.00	225.00	0.00	100.00
15	2.07	60.69	0.00	225.00	0.00	100.00
20	2.18	56.98	0.00	225.00	0.00	100.00
25	1.97	53.24	0.00	225.00	0.00	100.00
30	2.67	50.16	0.00	225.00	0.00	100.00
35	2.80	47.01	0.00	225.00	0.00	100.00
40	3.38	44.46	0.00	225.00	0.00	100.00
45	3.90	42.24	0.00	225.00	0.00	100.00
50	5.38	41.31	0.00	225.00	0.00	100.00
55	5.62	39.84	0.00	225.00	0.00	100.00
60	5.16	38.18	0.00	225.00	0.00	100.00
65	4.23	36.55	0.00	225.00	0.00	100.00
70	3.31	35.49	0.00	225.00	0.00	100.00
75	4.10	36.73	0.00	225.00	0.00	100.00
80	4.50	38.13	0.00	225.00	0.00	100.00
85	4.27	39.45	0.00	225.00	0.00	100.00
90	4.12	41.32	0.00	225.00	0.00	100.00
95	4.17	43.76	0.00	225.00	0.00	100.00
100	3.57	46.08	0.00	225.00	0.00	100.00
105	2.75	48.64	0.00	225.00	0.00	100.00
110	2.45	51.81	0.00	225.00	0.00	100.00
115	2.31	55.28	0.00	225.00	0.00	100.00
120	2.58	59.08	0.00	225.00	0.00	100.00
125	2.92	63.00	0.00	225.00	0.00	100.00
130	2.49	66.73	0.00	225.00	0.00	100.00
135	2.67	70.74	0.00	225.00	0.00	100.00
140	1.56	74.54	0.00	225.00	0.00	100.00
145	0.89	78.55	0.00	225.00	0.00	100.00
150	0.66	82.70	0.00	225.00	0.00	100.00
155	0.51	86.89	0.00	225.00	0.00	100.00
160	0.62	91.10	0.00	225.00	0.00	100.00
165	0.74	95.29	0.00	225.00	0.00	100.00
170	0.67	99.48	0.00	225.00	0.00	100.00
175	0.33	103.70	0.00	225.00	0.00	100.00
180	0.00	107.91	0.00	225.00	0.00	100.00
185	0.00	112.03	0.00	225.00	0.00	100.00

SPACE EXPLORATION HOLDINGS
Ka, Q/V-Band Earth Station – American Canyon, CA
Frequency Coordination Report
28/40/50 GHz

Coordination Values		AMERICAN CNY, CA				
Licensee Name		SpaceX Services, Inc				
Latitude (NAD 83)		38° 10' 34.5" N				
Longitude (NAD 83)		122° 15' 7.2" W				
Ground Elevation (AMSL)		21.67 m / 71.1 ft				
Antenna Centerline (AGL)		1.4 m / 4.6 ft				
Antenna Model		SpaceX 1.99 meter				
Antenna Mode		Receive 18.0 GHz		Transmit 28.0 GHz		
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%	
	Short Term	-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%	
Max Available RF Power		-40.8 (dBW/4 kHz)				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.33	115.99	0.00	225.00	0.00	100.00
195	0.00	120.08	0.00	225.00	0.00	100.00
200	0.00	123.97	0.00	225.00	0.00	100.00
205	0.00	127.74	0.00	225.00	0.00	100.00
210	0.00	131.35	0.00	225.00	0.00	100.00
215	0.00	134.78	0.00	225.00	0.00	100.00
220	0.00	137.95	0.00	225.00	0.00	100.00
225	0.00	140.82	0.00	225.00	0.00	100.00
230	0.00	143.31	0.00	225.00	0.00	100.00
235	0.00	145.33	0.00	225.00	0.00	100.00
240	0.00	146.81	0.00	225.00	0.00	100.00
245	0.00	147.65	0.00	225.00	0.00	100.00
250	0.00	147.82	0.00	225.00	0.00	100.00
255	0.00	147.29	0.00	225.00	0.00	100.00
260	0.00	146.11	0.00	225.00	0.00	100.00
265	0.00	144.34	0.00	225.00	0.00	100.00
270	0.00	142.07	0.00	225.00	0.00	100.00
275	0.29	139.16	0.00	225.00	0.00	100.00
280	0.66	135.89	0.00	225.00	0.00	100.00
285	1.19	132.31	0.00	225.00	0.00	100.00
290	0.85	129.05	0.00	225.00	0.00	100.00
295	0.71	125.47	0.00	225.00	0.00	100.00
300	0.61	121.72	0.00	225.00	0.00	100.00
305	1.70	117.43	0.00	225.00	0.00	100.00
310	2.38	113.30	0.00	225.00	0.00	100.00
315	2.23	109.37	0.00	225.00	0.00	100.00
320	1.39	105.50	0.00	225.00	0.00	100.00
325	0.42	101.51	0.00	225.00	0.00	100.00
330	0.00	97.35	0.00	225.00	0.00	100.00
335	0.00	93.13	0.00	225.00	0.00	100.00
340	0.00	88.90	0.00	225.00	0.00	100.00
345	0.00	84.67	0.00	225.00	0.00	100.00
350	0.00	80.45	0.00	225.00	0.00	100.00
355	0.68	76.36	0.00	225.00	0.00	100.00

Date: 06/04/2026
Job Number: 260604COMSGE07

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign:
Licensee Code: SPACEX
Licensee Name: SpaceX Services, Inc

Site Information

AMERICAN CANYON, CA
Venue Name: VALLEJO POMO
Latitude (NAD 83): 38° 10' 34.5" N
Longitude (NAD 83): 122° 15' 7.2" W
Climate Zone: A
Rain Zone: 3
Ground Elevation (AMSL): 21.67 m / 71.1 ft

Link Information

Satellite Type: Low Earth Orbit
Mode: TR - Transmit-Receive
Antenna Count: 40
Modulation: Digital
Minimum Elevation Angle: 10.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 1.4 m / 4.6 ft

Antenna Information

Manufacturer: SpaceX
Model: 1.99 meter
Gain / Diameter: 55.9 dBi / 2.0 m
3-dB / 15-dB Beamwidth: 0.25° / 0.50°

Receive - FCC32

Transmit - FCC32

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

-47.8
-23.8

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

10.3
34.3

Aggregate EIRP (dBW/MHz)

34.3

Interference Objectives: Long Term -156.0 dBW/MHz 20%
Short Term -146.0 dBW/MHz 0.01%

-151.0 dBW/4 kHz 20%
-128.0 dBW/4 kHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz)

Receive 40.0 GHz

60M0D7W - 480MD7W / 37500.0 - 42500.0

Transmit 50.0 GHz

60M0D7W - 480MD7W / 47200.0 - 50200.0
60M0D7W - 480MD7W / 50400.0 - 51400.0
60M0D7W - 480MD7W / 51400.0 - 52400.0

Max Great Circle Coordination Distance
Precipitation Scatter Contour Radius

225.0 km / 139.8 mi
100.0 km / 62.1 mi

100.0 km / 62.1 mi
100.0 km / 62.1 mi

SPACE EXPLORATION HOLDINGS
Ka, Q/V-Band Earth Station – American Canyon, CA
Frequency Coordination Report
28/40/50 GHz

Coordination Values		AMERICAN CNY, CA			
Licensee Name		SpaceX Services, Inc			
Latitude (NAD 83)		38° 10' 34.5" N			
Longitude (NAD 83)		122° 15' 7.2" W			
Ground Elevation (AMSL)		21.67 m / 71.1 ft			
Antenna Centerline (AGL)		1.4 m / 4.6 ft			
Antenna Model		SpaceX 1.99 meter			
Antenna Mode		Receive 40.0 GHz		Transmit 50.0 GHz	
Interference Objectives: Long Term		-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
Short Term		-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%
Max Available RF Power		-47.8 (dBW/4 kHz)			

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 40.0 GHz		Transmit 50.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.85	72.26	0.00	225.00	0.00	100.00
5	1.34	68.31	0.00	225.00	0.00	100.00
10	1.76	64.46	0.00	225.00	0.00	100.00
15	2.07	60.69	0.00	225.00	0.00	100.00
20	2.18	56.98	0.00	225.00	0.00	100.00
25	1.97	53.24	0.00	225.00	0.00	100.00
30	2.67	50.16	0.00	225.00	0.00	100.00
35	2.80	47.01	0.00	225.00	0.00	100.00
40	3.38	44.46	0.00	225.00	0.00	100.00
45	3.90	42.24	0.00	225.00	0.00	100.00
50	5.38	41.31	0.00	225.00	0.00	100.00
55	5.62	39.84	0.00	225.00	0.00	100.00
60	5.16	38.18	0.00	225.00	0.00	100.00
65	4.23	36.55	0.00	225.00	0.00	100.00
70	3.31	35.49	0.00	225.00	0.00	100.00
75	4.10	36.73	0.00	225.00	0.00	100.00
80	4.50	38.13	0.00	225.00	0.00	100.00
85	4.27	39.45	0.00	225.00	0.00	100.00
90	4.12	41.32	0.00	225.00	0.00	100.00
95	4.17	43.76	0.00	225.00	0.00	100.00
100	3.57	46.08	0.00	225.00	0.00	100.00
105	2.75	48.64	0.00	225.00	0.00	100.00
110	2.45	51.81	0.00	225.00	0.00	100.00
115	2.31	55.28	0.00	225.00	0.00	100.00
120	2.58	59.08	0.00	225.00	0.00	100.00
125	2.92	63.00	0.00	225.00	0.00	100.00
130	2.49	66.73	0.00	225.00	0.00	100.00
135	2.67	70.74	0.00	225.00	0.00	100.00
140	1.56	74.54	0.00	225.00	0.00	100.00
145	0.89	78.55	0.00	225.00	0.00	100.00
150	0.66	82.70	0.00	225.00	0.00	100.00
155	0.51	86.89	0.00	225.00	0.00	100.00
160	0.62	91.10	0.00	225.00	0.00	100.00
165	0.74	95.29	0.00	225.00	0.00	100.00
170	0.67	99.48	0.00	225.00	0.00	100.00
175	0.33	103.70	0.00	225.00	0.00	100.00
180	0.00	107.91	0.00	225.00	0.00	100.00
185	0.00	112.03	0.00	225.00	0.00	100.00

SPACE EXPLORATION HOLDINGS
Ka, Q/V-Band Earth Station – American Canyon, CA
Frequency Coordination Report
28/40/50 GHz

Coordination Values		AMERICAN CNY, CA				
Licensee Name		SpaceX Services, Inc				
Latitude (NAD 83)		38° 10' 34.5" N				
Longitude (NAD 83)		122° 15' 7.2" W				
Ground Elevation (AMSL)		21.67 m / 71.1 ft				
Antenna Centerline (AGL)		1.4 m / 4.6 ft				
Antenna Model		SpaceX 1.99 meter				
Antenna Mode		Receive 40.0 GHz		Transmit 50.0 GHz		
Interference Objectives:		Long Term	-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz	20%
		Short Term	-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz	0.0025%
Max Available RF Power		-47.8 (dBW/4 kHz)				
Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 40.0 GHz		Transmit 50.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.33	115.99	0.00	225.00	0.00	100.00
195	0.00	120.08	0.00	225.00	0.00	100.00
200	0.00	123.97	0.00	225.00	0.00	100.00
205	0.00	127.74	0.00	225.00	0.00	100.00
210	0.00	131.35	0.00	225.00	0.00	100.00
215	0.00	134.78	0.00	225.00	0.00	100.00
220	0.00	137.95	0.00	225.00	0.00	100.00
225	0.00	140.82	0.00	225.00	0.00	100.00
230	0.00	143.31	0.00	225.00	0.00	100.00
235	0.00	145.33	0.00	225.00	0.00	100.00
240	0.00	146.81	0.00	225.00	0.00	100.00
245	0.00	147.65	0.00	225.00	0.00	100.00
250	0.00	147.82	0.00	225.00	0.00	100.00
255	0.00	147.29	0.00	225.00	0.00	100.00
260	0.00	146.11	0.00	225.00	0.00	100.00
265	0.00	144.34	0.00	225.00	0.00	100.00
270	0.00	142.07	0.00	225.00	0.00	100.00
275	0.29	139.16	0.00	225.00	0.00	100.00
280	0.66	135.89	0.00	225.00	0.00	100.00
285	1.19	132.31	0.00	225.00	0.00	100.00
290	0.85	129.05	0.00	225.00	0.00	100.00
295	0.71	125.47	0.00	225.00	0.00	100.00
300	0.61	121.72	0.00	225.00	0.00	100.00
305	1.70	117.43	0.00	225.00	0.00	100.00
310	2.38	113.30	0.00	225.00	0.00	100.00
315	2.23	109.37	0.00	225.00	0.00	100.00
320	1.39	105.50	0.00	225.00	0.00	100.00
325	0.42	101.51	0.00	225.00	0.00	100.00
330	0.00	97.35	0.00	225.00	0.00	100.00
335	0.00	93.13	0.00	225.00	0.00	100.00
340	0.00	88.90	0.00	225.00	0.00	100.00
345	0.00	84.67	0.00	225.00	0.00	100.00
350	0.00	80.45	0.00	225.00	0.00	100.00
355	0.68	76.36	0.00	225.00	0.00	100.00



5. Contact Information

For questions or information regarding the Ka, Q/V-band Frequency Coordination Report, please contact:

Contact person:	Gary Edwards
Title:	Senior Manager, Satellite Services
Company:	Comsearch
Address:	21515 Ridgetop Circle, Suite 300, Sterling, VA 20166
Telephone:	703-726-5662
Email:	GEdwards@Comsearch.com
Web site:	www.comsearch.com

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
SpaceX Services, Inc
AMERICAN CANYON, CA
Satellite Earth Station

Prepared By:
COMSEARCH
21515 Ridgetop Circle, Suite 300
Sterling, VA 20166
July 01, 2026

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1. CONCLUSIONS

An interference study considering all existing, proposed and prior coordinated microwave facilities within the coordination contours of the proposed earth station demonstrates that this site will operate satisfactorily with the common carrier microwave environment. Further, there will be no restrictions of its operation due to interference considerations.

2. SUMMARY OF RESULTS

A number of great circle interference cases were identified during the interference study of the proposed earth station. Each of the cases, which exceeded the interference objective on a line-of-sight basis, was profiled and the propagation losses estimated using NBS TN101 (Revised) techniques. The losses were found to be sufficient to reduce the signal levels to acceptable magnitudes in every case.

3. 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 06/04/2026.

Company

101Netlink
AT&T Enterprises, LLC
AT&T Mobility Spectrum LLC - N CA
AT&T Mobility Spectrum LLC - Southern CA
Alameda County Water District
Alameda County of California
Alpha Media Licensee LLC
Another ISP, LLC
Antioch, City of
Audacy License, LLC
BNSF Railway Company
Bay Area Infrastructure Financing Author
Bonneville International Corporation
CBS Broadcasting Inc
CBS Communications Services Inc.
Cal.net, Inc.
California Internet, LLC dba GeoLinks
California State University, Chico
California, State of
Capitola PD
Cellco Partnership - N CA/NV
Cellco Partnership - Southern California
Central Valley Concrete, Inc.
City & County of San Francisco PUC
City of Daly City
City of Merced
City of Newman
City of Oakland
City of Pittsburg, CA Police Dept
City of San Jose
City of South Lake Tahoe
City of Woodland
Coastside Net, Inc.
ColusaNet Inc.
Comcast of California XV, Inc.
Consumnes Community Services District
Conterra Ultra Broadband, LLC
Contra Costa Water District
County of Monterey
County of Napa

County of Sacramento (DTECH)
County of San Mateo
DM-Tech Internet
DigitalPath, Inc
Dublin San Ramon
Eastern Contra Costa Transit
El Dorado, County of
Encore Business Systems Inc.
Etheric Networks, Inc.
Ezwave
Fox Television Stations Inc, KTVU
GTE Mobilnet of California LTD Partnersh
Geyser Power Company
Glenn County Office of Education
Global Data Link, Inc
Happy Cycling, LLC
Hornitos Telephone Company
ISP Industries LLC
Interwest Management Services Inc.
John Muir Health
KGO Television, Inc.
Kunze, Rick
Lake County CA
Lange Twins, Inc.
M.U.T. Licensing, LLC
Marin County, CA
Mendocino County of
Merced County Office of Education
Midpeninsula Regional Open Space Dist.
Modern Systems Research, Inc.
Modesto, City of
Monterey Bay Aquarium
Monterey County Superintendent of School
Muir Beach Community Services District
NBC Telemundo License LLC
Napa, City of
New Cingular Wireless PCS LLC - N CAL
Nextweb Inc
Oakland Police Department
Olympic Wireless, LLC
Pacific Bell Tel Com dba AT&T California
Pacific Gas and Electric Company
Personal Network Computing, Inc.
Placer County Water Agency
Placer County Water Agency
Plumas, County of
Razzo Link, Inc
Regents of the University of California
Ridge Wireless
River Delta Wireless
Rohnert Park, City of
Roseville City California
Round Valley Indian Tribe
Rural Cellular Corporation
SAN JOSE WATER COMPANY
Sacramento City of

Sacramento Valley Limited Partnership
Sacramento, County of
Sail Internet
San Francisco Bay Area Rapid Transit Dis
San Francisco, City and County of
San Francisco, City and County of
San Joaquin, County of
San Jose Water Company
San Jose, City of (ECOMM)
Santa Clara, County of
Sierra Nevada Communications
SkyHiCorp
Skyriver Communications
Smarter Broadband, LLC
Softcom Internet Communications, Inc.
South Valley Internet Incorporated
Stanford Health Care
Startouch, Inc.
Stockton, City of
Stockton, Port of
Succeed, Inc.
Surfnet Communications, Inc.
Sutro Tower Inc.
T-Mobile MW LLC
Tanji Wireless
Tekify, LLC
The Internet Connection Inc
The Internet Store, Inc.
Tiabi LLC
Towerstream Corp.
Truckee Donner Public Utility District
Union Pacific Railroad Company
Unwired LTD
UnwiredWest, LLC
Vacaville City Police Department
Velociter Wireless, Inc.
Vista Broadband Networks, Inc.
Volcano Telephone Company
Watsonville, City of
Web Perception, LLC
Webpass Inc.
Wiline Spectrum Holdings LLC
Willoweb LLC
Winters Broadband LLC
XO Communications, LLC
Yolo, County of
Yuba City, City of
Yuba County Water Agency
Zeta Broadband, Inc.
unWired Broadband, Inc

4. 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: 07/01/2026
Job Number: 260604COMSGE07

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign:
Licensee Code: SPACEX
Licensee Name: SpaceX Services, Inc

Site Information

AMERICAN CNY, CA
Venue Name: VALLEJO POMO
Latitude (NAD 83): 38° 10' 34.5" N
Longitude (NAD 83): 122° 15' 7.2" W
Climate Zone: A
Rain Zone: 3
Ground Elevation (AMSL): 21.67 m / 71.1 ft

Link Information

Satellite Type: Low Earth Orbit
Mode: TR - Transmit-Receive
Antenna Count: 40
Modulation: Digital
Minimum Elevation Angle: 10.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 1.4 m / 4.6 ft

Antenna Information

Receive - FCC32		Transmit - FCC32
Manufacturer	SpaceX	SpaceX
Model	1.99 meter	1.99 meter
Gain / Diameter	50.0 dBi / 2.0 m	53.9 dBi / 2.0 m
3-dB / 15-dB Beamwidth	0.50° / 1.00°	0.30° / 0.60°
Max Available RF Power (dBW/4 kHz)		-40.8
		(dBW/MHz) -16.8
Maximum EIRP (dBW/4 kHz)		13.1
		(dBW/MHz) 37.1
Aggregate EIRP (dBW/MHz)		37.1
Interference Objectives:	Long Term	-156.0 dBW/MHz 20%
	Short Term	-146.0 dBW/MHz 0.01%
		-151.0 dBW/4 kHz 20%
		-128.0 dBW/4 kHz 0.0025%

Frequency Information

Emission / Frequency Range (MHz)	Receive 18.0 GHz	Transmit 28.0 GHz
	60M0D7W - 480MD7W / 17300.0 - 17800.0	60M0D7W - 480MD7W / 27500.0 - 29100.0
	60M0D7W - 480MD7W / 17800.0 - 18600.0	60M0D7W - 480MD7W / 29100.0 - 29500.0
	60M0D7W - 480MD7W / 18600.0 - 18800.0	60M0D7W - 480MD7W / 29500.0 - 30000.0
	60M0D7W - 480MD7W / 18800.0 - 19300.0	60M0D7W - 480MD7W / 30000.0 - 31000.0
	60M0D7W - 480MD7W / 19300.0 - 19700.0	
	60M0D7W - 480MD7W / 19700.0 - 20200.0	
	60M0D7W - 480MD7W / 20200.0 - 21200.0	
Max Great Circle Coordination Distance	225.0 km / 139.8 mi	100.0 km / 62.1 mi
Precipitation Scatter Contour Radius	100.0 km / 62.1 mi	100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values

AMERICAN CNY, CA

Licensee Name SpaceX Services, Inc
Latitude (NAD 83) 38° 10' 34.5" N
Longitude (NAD 83) 122° 15' 7.2" W
Ground Elevation (AMSL) 21.67 m / 71.1 ft
Antenna Centerline (AGL) 1.4 m / 4.6 ft
Antenna Model SpaceX 1.99 meter
Antenna Mode Receive 18.0 GHz Transmit 28.0 GHz
Interference Objectives: Long Term -156.0 dBW/MHz 20% -151.0 dBW/4 kHz 20%
Short Term -146.0 dBW/MHz 0.01% -128.0 dBW/4 kHz 0.0025%
Max Available RF Power -40.8 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.85	72.26	0.00	225.00	0.00	100.00
5	1.34	68.31	0.00	225.00	0.00	100.00
10	1.76	64.46	0.00	225.00	0.00	100.00
15	2.07	60.69	0.00	225.00	0.00	100.00
20	2.18	56.98	0.00	225.00	0.00	100.00
25	1.97	53.24	0.00	225.00	0.00	100.00
30	2.67	50.16	0.00	225.00	0.00	100.00
35	2.80	47.01	0.00	225.00	0.00	100.00
40	3.38	44.46	0.00	225.00	0.00	100.00
45	3.90	42.24	0.00	225.00	0.00	100.00
50	5.38	41.31	0.00	225.00	0.00	100.00
55	5.62	39.84	0.00	225.00	0.00	100.00
60	5.16	38.18	0.00	225.00	0.00	100.00
65	4.23	36.55	0.00	225.00	0.00	100.00
70	3.31	35.49	0.00	225.00	0.00	100.00
75	4.10	36.73	0.00	225.00	0.00	100.00
80	4.50	38.13	0.00	225.00	0.00	100.00
85	4.27	39.45	0.00	225.00	0.00	100.00
90	4.12	41.32	0.00	225.00	0.00	100.00
95	4.17	43.76	0.00	225.00	0.00	100.00
100	3.57	46.08	0.00	225.00	0.00	100.00
105	2.75	48.64	0.00	225.00	0.00	100.00
110	2.45	51.81	0.00	225.00	0.00	100.00
115	2.31	55.28	0.00	225.00	0.00	100.00
120	2.58	59.08	0.00	225.00	0.00	100.00
125	2.92	63.00	0.00	225.00	0.00	100.00
130	2.49	66.73	0.00	225.00	0.00	100.00
135	2.67	70.74	0.00	225.00	0.00	100.00
140	1.56	74.54	0.00	225.00	0.00	100.00
145	0.89	78.55	0.00	225.00	0.00	100.00
150	0.66	82.70	0.00	225.00	0.00	100.00
155	0.51	86.89	0.00	225.00	0.00	100.00
160	0.62	91.10	0.00	225.00	0.00	100.00
165	0.74	95.29	0.00	225.00	0.00	100.00
170	0.67	99.48	0.00	225.00	0.00	100.00
175	0.33	103.70	0.00	225.00	0.00	100.00
180	0.00	107.91	0.00	225.00	0.00	100.00
185	0.00	112.03	0.00	225.00	0.00	100.00

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values

AMERICAN CNY, CA

Licensee Name SpaceX Services, Inc
Latitude (NAD 83) 38° 10' 34.5" N
Longitude (NAD 83) 122° 15' 7.2" W
Ground Elevation (AMSL) 21.67 m / 71.1 ft
Antenna Centerline (AGL) 1.4 m / 4.6 ft
Antenna Model SpaceX 1.99 meter
Antenna Mode Receive 18.0 GHz Transmit 28.0 GHz
Interference Objectives: Long Term -156.0 dBW/MHz 20% -151.0 dBW/4 kHz 20%
Short Term -146.0 dBW/MHz 0.01% -128.0 dBW/4 kHz 0.0025%
Max Available RF Power -40.8 (dBW/4 kHz)

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 18.0 GHz		Transmit 28.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.33	115.99	0.00	225.00	0.00	100.00
195	0.00	120.08	0.00	225.00	0.00	100.00
200	0.00	123.97	0.00	225.00	0.00	100.00
205	0.00	127.74	0.00	225.00	0.00	100.00
210	0.00	131.35	0.00	225.00	0.00	100.00
215	0.00	134.78	0.00	225.00	0.00	100.00
220	0.00	137.95	0.00	225.00	0.00	100.00
225	0.00	140.82	0.00	225.00	0.00	100.00
230	0.00	143.31	0.00	225.00	0.00	100.00
235	0.00	145.33	0.00	225.00	0.00	100.00
240	0.00	146.81	0.00	225.00	0.00	100.00
245	0.00	147.65	0.00	225.00	0.00	100.00
250	0.00	147.82	0.00	225.00	0.00	100.00
255	0.00	147.29	0.00	225.00	0.00	100.00
260	0.00	146.11	0.00	225.00	0.00	100.00
265	0.00	144.34	0.00	225.00	0.00	100.00
270	0.00	142.07	0.00	225.00	0.00	100.00
275	0.29	139.16	0.00	225.00	0.00	100.00
280	0.66	135.89	0.00	225.00	0.00	100.00
285	1.19	132.31	0.00	225.00	0.00	100.00
290	0.85	129.05	0.00	225.00	0.00	100.00
295	0.71	125.47	0.00	225.00	0.00	100.00
300	0.61	121.72	0.00	225.00	0.00	100.00
305	1.70	117.43	0.00	225.00	0.00	100.00
310	2.38	113.30	0.00	225.00	0.00	100.00
315	2.23	109.37	0.00	225.00	0.00	100.00
320	1.39	105.50	0.00	225.00	0.00	100.00
325	0.42	101.51	0.00	225.00	0.00	100.00
330	0.00	97.35	0.00	225.00	0.00	100.00
335	0.00	93.13	0.00	225.00	0.00	100.00
340	0.00	88.90	0.00	225.00	0.00	100.00
345	0.00	84.67	0.00	225.00	0.00	100.00
350	0.00	80.45	0.00	225.00	0.00	100.00
355	0.68	76.36	0.00	225.00	0.00	100.00

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Date: 06/04/2026
Job Number: 260604COMSGE07

Administrative Information

Status: ENGINEER PROPOSAL
Call Sign:
Licensee Code: SPACEX
Licensee Name: SpaceX Services, Inc

Site Information

AMERICAN CANYON, CA
Venue Name: VALLEJO POMO
Latitude (NAD 83): 38° 10' 34.5" N
Longitude (NAD 83): 122° 15' 7.2" W
Climate Zone: A
Rain Zone: 3
Ground Elevation (AMSL): 21.67 m / 71.1 ft

Link Information

Satellite Type: Low Earth Orbit
Mode: TR - Transmit-Receive
Antenna Count: 40
Modulation: Digital
Minimum Elevation Angle: 10.0°
Azimuth Range: 0.0° to 360°
Antenna Centerline (AGL): 1.4 m / 4.6 ft

Antenna Information

Manufacturer: SpaceX
Model: 1.99 meter
Gain / Diameter: 55.9 dBi / 2.0 m
3-dB / 15-dB Beamwidth: 0.25° / 0.50°

Receive - FCC32

SpaceX
1.99 meter
55.9 dBi / 2.0 m
0.25° / 0.50°

Transmit - FCC32

SpaceX
1.99 meter
58.1 dBi / 2.0 m
0.20° / 0.40°

Max Available RF Power (dBW/4 kHz): -47.8
(dBW/MHz): -23.8

Maximum EIRP (dBW/4 kHz): 10.3
(dBW/MHz): 34.3

Aggregate EIRP (dBW/MHz): 34.3

Interference Objectives: Long Term: -156.0 dBW/MHz 20% -151.0 dBW/4 kHz 20%
Short Term: -146.0 dBW/MHz 0.01% -128.0 dBW/4 kHz 0.0025%

Frequency Information

Receive 40.0 GHz

Emission / Frequency Range (MHz): 60M0D7W - 480MD7W / 37500.0 - 42500.0

Transmit 50.0 GHz

60M0D7W - 480MD7W / 47200.0 - 50200.0
60M0D7W - 480MD7W / 50400.0 - 51400.0
60M0D7W - 480MD7W / 51400.0 - 52400.0

Max Great Circle Coordination Distance: 225.0 km / 139.8 mi 100.0 km / 62.1 mi
Precipitation Scatter Contour Radius: 100.0 km / 62.1 mi 100.0 km / 62.1 mi

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

Coordination Values

AMERICAN CNY, CA

Licensee Name	SpaceX Services, Inc		
Latitude (NAD 83)	38° 10' 34.5" N		
Longitude (NAD 83)	122° 15' 7.2" W		
Ground Elevation (AMSL)	21.67 m / 71.1 ft		
Antenna Centerline (AGL)	1.4 m / 4.6 ft		
Antenna Model	SpaceX 1.99 meter		
Antenna Mode	Receive 40.0 GHz		Transmit 50.0 GHz
Interference Objectives: Long Term	-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz 20%
Short Term	-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz 0.0025%
Max Available RF Power	-47.8 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 40.0 GHz		Transmit 50.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
0	0.85	72.26	0.00	225.00	0.00	100.00
5	1.34	68.31	0.00	225.00	0.00	100.00
10	1.76	64.46	0.00	225.00	0.00	100.00
15	2.07	60.69	0.00	225.00	0.00	100.00
20	2.18	56.98	0.00	225.00	0.00	100.00
25	1.97	53.24	0.00	225.00	0.00	100.00
30	2.67	50.16	0.00	225.00	0.00	100.00
35	2.80	47.01	0.00	225.00	0.00	100.00
40	3.38	44.46	0.00	225.00	0.00	100.00
45	3.90	42.24	0.00	225.00	0.00	100.00
50	5.38	41.31	0.00	225.00	0.00	100.00
55	5.62	39.84	0.00	225.00	0.00	100.00
60	5.16	38.18	0.00	225.00	0.00	100.00
65	4.23	36.55	0.00	225.00	0.00	100.00
70	3.31	35.49	0.00	225.00	0.00	100.00
75	4.10	36.73	0.00	225.00	0.00	100.00
80	4.50	38.13	0.00	225.00	0.00	100.00
85	4.27	39.45	0.00	225.00	0.00	100.00
90	4.12	41.32	0.00	225.00	0.00	100.00
95	4.17	43.76	0.00	225.00	0.00	100.00
100	3.57	46.08	0.00	225.00	0.00	100.00
105	2.75	48.64	0.00	225.00	0.00	100.00
110	2.45	51.81	0.00	225.00	0.00	100.00
115	2.31	55.28	0.00	225.00	0.00	100.00
120	2.58	59.08	0.00	225.00	0.00	100.00
125	2.92	63.00	0.00	225.00	0.00	100.00
130	2.49	66.73	0.00	225.00	0.00	100.00
135	2.67	70.74	0.00	225.00	0.00	100.00
140	1.56	74.54	0.00	225.00	0.00	100.00
145	0.89	78.55	0.00	225.00	0.00	100.00
150	0.66	82.70	0.00	225.00	0.00	100.00
155	0.51	86.89	0.00	225.00	0.00	100.00
160	0.62	91.10	0.00	225.00	0.00	100.00
165	0.74	95.29	0.00	225.00	0.00	100.00
170	0.67	99.48	0.00	225.00	0.00	100.00
175	0.33	103.70	0.00	225.00	0.00	100.00
180	0.00	107.91	0.00	225.00	0.00	100.00
185	0.00	112.03	0.00	225.00	0.00	100.00

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 <http://www.comsearch.com>

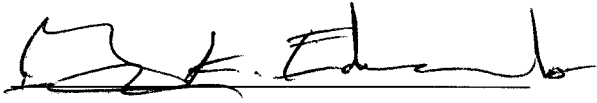
Coordination Values		AMERICAN CNY, CA		
Licensee Name		SpaceX Services, Inc		
Latitude (NAD 83)		38° 10' 34.5" N		
Longitude (NAD 83)		122° 15' 7.2" W		
Ground Elevation (AMSL)		21.67 m / 71.1 ft		
Antenna Centerline (AGL)		1.4 m / 4.6 ft		
Antenna Model		SpaceX 1.99 meter		
Antenna Mode		Receive 40.0 GHz		Transmit 50.0 GHz
Interference Objectives:	Long Term	-156.0 dBW/MHz	20%	-151.0 dBW/4 kHz 20%
	Short Term	-146.0 dBW/MHz	0.01%	-128.0 dBW/4 kHz 0.0025%
Max Available RF Power		-47.8 (dBW/4 kHz)		

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Receive 40.0 GHz		Transmit 50.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)	Horizon Gain (dBi)	Coordination Distance (km)
190	0.33	115.99	0.00	225.00	0.00	100.00
195	0.00	120.08	0.00	225.00	0.00	100.00
200	0.00	123.97	0.00	225.00	0.00	100.00
205	0.00	127.74	0.00	225.00	0.00	100.00
210	0.00	131.35	0.00	225.00	0.00	100.00
215	0.00	134.78	0.00	225.00	0.00	100.00
220	0.00	137.95	0.00	225.00	0.00	100.00
225	0.00	140.82	0.00	225.00	0.00	100.00
230	0.00	143.31	0.00	225.00	0.00	100.00
235	0.00	145.33	0.00	225.00	0.00	100.00
240	0.00	146.81	0.00	225.00	0.00	100.00
245	0.00	147.65	0.00	225.00	0.00	100.00
250	0.00	147.82	0.00	225.00	0.00	100.00
255	0.00	147.29	0.00	225.00	0.00	100.00
260	0.00	146.11	0.00	225.00	0.00	100.00
265	0.00	144.34	0.00	225.00	0.00	100.00
270	0.00	142.07	0.00	225.00	0.00	100.00
275	0.29	139.16	0.00	225.00	0.00	100.00
280	0.66	135.89	0.00	225.00	0.00	100.00
285	1.19	132.31	0.00	225.00	0.00	100.00
290	0.85	129.05	0.00	225.00	0.00	100.00
295	0.71	125.47	0.00	225.00	0.00	100.00
300	0.61	121.72	0.00	225.00	0.00	100.00
305	1.70	117.43	0.00	225.00	0.00	100.00
310	2.38	113.30	0.00	225.00	0.00	100.00
315	2.23	109.37	0.00	225.00	0.00	100.00
320	1.39	105.50	0.00	225.00	0.00	100.00
325	0.42	101.51	0.00	225.00	0.00	100.00
330	0.00	97.35	0.00	225.00	0.00	100.00
335	0.00	93.13	0.00	225.00	0.00	100.00
340	0.00	88.90	0.00	225.00	0.00	100.00
345	0.00	84.67	0.00	225.00	0.00	100.00
350	0.00	80.45	0.00	225.00	0.00	100.00
355	0.68	76.36	0.00	225.00	0.00	100.00

5. 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: July 01, 2026



E-band Frequency Coordination Report

**The “Vallejo Pomo” Gateway (American Canyon,
CA)**

June 03, 2026



Summary

SpaceX performed a coordination notice under Section 25.203(c), Section 25.251, and Appendix 7 of the ITU's Radio Regulations. Prior-notification letters with earth station details were sent to potentially affected terrestrial licensees; a copy of these details are available in this report. The earth station coordination was finalized on June 18, 2026. No objections were received from any terrestrial licensees.

Methodology

SpaceX has completed an interference analysis based on accepted international and Commission methodologies demonstrating that this satellite earth station will not cause harmful interference to existing terrestrial facilities in the band. Specifically, for each known receiver within the great circle coordination distance surrounding the proposed earth station, SpaceX calculated the expected interference/noise ratio (I/N) to the receiver, assuming the SpaceX antenna properties listed on the following page, SpaceX site layout and design, free-space propagation without terrain or clutter, and actual characteristics of receiver(s) obtained from the 70/80/90 GHz link-registration database. Even under these conservative assumptions, SpaceX's analysis confirms that this earth station will not cause interference exceeding 1.0 dB of degradation to the static threshold of existing 70/80 GHz links within the great circle coordination distance.¹

Operators contacted

Prior-coordination letters were sent to the following operators:

1. AT&T Enterprises, LLC
2. Aervivo
3. Alpha Omega Wireless, Inc.
4. Another Corporate ISP, LLC
5. Apple Inc.
6. Astound
7. Aviat Networks
8. Ayera Technologies, Inc.
9. Boingo Wireless, Inc.
10. CALIFORNIA, STATE OF
11. CSI Telecommunications, Inc.
12. Cal.net, Inc.
13. California Internet, LLC dba GeoLinks
14. Cellco Partnership

¹ If there were any cases in which the interference threshold was exceeded in the conservative free-space analysis for any relevant receiver, SpaceX conducted an additional analysis with more realistic assumptions of terrain and clutter, under which the interference threshold was not exceeded for any relevant receiver. This further ensures that there will be no above-threshold interference to existing receivers.

15. Ceragon Networks, Inc.
16. Coastside Net, Inc.
17. Collinear Networks, Inc.
18. Common Networks, Inc.
19. Consolidated Smart Broadband Systems, LLC
20. County of San Joaquin
21. County of San Mateo
22. E.I. Computer Systems Inc
23. EXPOHL LLC
24. Etheric Networks, Inc.
25. Ezwave
26. FCL Tech, Inc.
27. Fairfield, City of
28. GOOGLE
29. GOOGLE LLC
30. Golden Gate Bridge Highway & Transportation District
31. Google LLC
32. Happy Cycling LLC
33. Hot Spot Broadband, Inc.
34. Intelpath
35. Intuitive Surgical, Inc.
36. Lerman Senter PLLC
37. LightPointe Communications Inc
38. Los Altos Hills Community Fiber
39. Micronet Communications, Inc.
40. Muir Beach Community Services District
41. Netunwired LLC
42. Next Level Networks
43. REMEC Broadband Wireless Networks LLC DBA Bridgewave Communications
44. RSN Comm Inc. Dba Pacific Communications
45. Radio Licensing Services
46. Ridge Wireless Inc.
47. SIAE Microelettronica, Inc.
48. SONIC TELECOM, LLC
49. Sail Internet, Inc.
50. San Francisco, City and County of
51. San Mateo, County of
52. Seattle's Best Internet, LLC
53. Siklu, Inc
54. Smart Fiber Networks
55. Softcom Internet Communications, Inc.
56. SpaceX
57. Star Microwave Service Corp



58. Succeed, Inc.
59. Surfnet Communications
60. T-MOBILE LICENSE LLC
61. Tekify, LLC
62. The Internet Store INC, DBA as Cruzio
63. Towerstream Corp
64. Unwired Ltd
65. Verizon
66. Verkada Inc
67. Vista Broadband Networks, Inc.
68. Webpass Inc
69. Webpass, Inc
70. WiLine Networks
71. WiLine Spectrum Holdings LLC
72. Widmo Holdings LLC
73. Willoweb LLC
74. WirelessGuys Inc.
75. Yuba County OES
76. Zinnia Networks Inc
77. aervivo
78. unWired Broadband, LLC

Earth Station Data

This section presents the data that was circulated to all operators that met the criteria for notification for this earth station.

Site Information:

- Transmitting station name: The "Vallejo Pomo" Gateway
- Transmitting station coordinates: 38.17624, -122.252
- Ground Elevation (AMSL): 24 m
- Antenna Count: 40
- Aggregate EIRP toward the horizon: -9 dBW/MHz

Frequency Information:

- Transmit: 81-86 GHz
- Receive: 71-76 GHz
- Max Great Circle Coordination Distance: 127 km
- Rain Scatter Coordination Distance Contour: 6 km

Link Information:

- Satellite Type: Low Earth Orbit
- Mode: TR – Transmit-Receive
- Modulation: Digital
- Minimum Elevation Angle: 15.0°
- Azimuth Range: 0.0° to 360.0°
- Antenna Centerline (AGL): 1.4 m

Antenna Information:

- Manufacturer: SpaceX
- Model/Diameter: 1.99m
- Gain: 60.9 dBi at 83.5 GHz
- Max Available RF Power: -20.8 dBW/MHz
- Horizon Gain: 0 dBi
- Maximum EIRP: 40.1 dBW/MHz (main beam)
- Permissible RF Interference Power Level²: I/N ≤ -6 dB
- Antenna Mask: ITU-R S.580

² See 47 CFR § 101.105(a)(5)(i). This I/N value would cause a maximum of 1.0 dB of degradation to the static threshold of the protected receiver.

Horizon Angle by Azimuth:

All values are in degrees

Azimuth	Horizon Angle
0.0	1.23
5.0	1.36
10.0	1.89
15.0	2.46
20.0	2.13
25.0	2.62
30.0	2.38
35.0	2.55
40.0	2.99
45.0	3.58
50.0	4.41
55.0	5.01
60.0	5.11
65.0	4.11
70.0	2.90
75.0	3.90
80.0	3.96
85.0	3.90
90.0	4.14
95.0	3.84
100.0	3.36
105.0	2.43
110.0	2.32
115.0	2.30
120.0	2.35
125.0	2.79
130.0	2.25
135.0	1.97
140.0	1.25
145.0	0.78
150.0	0.53
155.0	0.45
160.0	0.70
165.0	0.71
170.0	0.60
175.0	0.74
180.0	0.46
185.0	0.48
190.0	0.32
195.0	0.05



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200.0	0.02
205.0	-0.00
210.0	0.06
215.0	0.07
220.0	0.11
225.0	0.36
230.0	0.50
235.0	0.39
240.0	0.38
245.0	0.50
250.0	0.63
255.0	0.49
260.0	0.20
265.0	0.65
270.0	0.28
275.0	0.37
280.0	0.51
285.0	0.42
290.0	0.51
295.0	0.65
300.0	1.01
305.0	1.53
310.0	2.18
315.0	1.70
320.0	1.29
325.0	1.09
330.0	0.76
335.0	0.54
340.0	0.47
345.0	0.51
350.0	0.93
355.0	1.11