



September 01, 2026

Re: Parsons Corporation
DEADHORSE, AK
S-Band Transmit Only Earth Station
Previous Job Number: 250919COMSGE02
Job Number: 260327COMSGE13

***** Extension Notice *****

Dear Frequency Coordinator:

The facility referenced above has not been submitted to the FCC for licensing. Pursuant to FCC rules and regulations Part 21.100 (D), on behalf of our client, request that you maintain the proposed earth station facility referenced above in your database for an additional six months.

If you have any questions or require additional information, please contact the undersigned. Thank you, for your assistance in the successful coordination of this facility.

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 09/01/2026
Job Number: 260901COMSGE04

Administrative Information

Status ENGINEER PROPOSAL
Call Sign E240058
Licensee Code PARSON
Licensee Name Parsons Corporation

Site Information

DEADHORSE, AK
Venue Name PRUDHOE BAY
Latitude (NAD 83) 70° 12' 24.3" N
Longitude (NAD 83) 148° 25' 51.5" W
Climate Zone B
Rain Zone 2
Ground Elevation (AMSL) 23.0 m / 75.5 ft

Link Information

Satellite Type Low Earth Orbit
Mode TO - Transmit-Only
Modulation Digital
Minimum Elevation Angle 5.0°
Azimuth Range 0.0° to 360°
Antenna Centerline (AGL) 3.66 m / 12.0 ft

Antenna Information

Transmit - FCC32
Manufacturer Raven Defense
Gain / Diameter 36.3 dBi / 6.0 m
3-dB / 15-dB Beamwidth 0.20° / 0.40°

Max Available RF Power (dBW/4 kHz) (1) -1.1 (2) 7.2
(dBW/MHz) 22.9 31.2

Maximum EIRP (dBW/4 kHz) 35.2 43.5
(dBW/MHz) 59.2 67.5

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

Frequency Information

Transmit 2.0 GHz
Emission / Frequency Range (MHz) (1) 2M00G1D / 2025.0 - 2027.0
(1) 20K0G1D - 200KG1D / 2085.4 - 2085.6
(2) 72K0G1D / 2109.678 - 2109.822

Max Great Circle Coordination Distance 215.0 km / 133.6 mi
Precipitation Scatter Contour Radius 128.2 km / 79.7 mi

Coordination Values		DEADHORSE, AK
Licensee Name		Parsons Corporation
Latitude (NAD 83)		70° 12' 24.3" N
Longitude (NAD 83)		148° 25' 51.5" W
Ground Elevation (AMSL)		23.0 m / 75.5 ft
Antenna Centerline (AGL)		3.66 m / 12.0 ft
Antenna Model		Raven Defense 6.0 meter
Antenna Mode		Transmit 2.0 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz	20%
Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	-1.1 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	40.46	-2.27	215.00
5	0.00	36.75	-2.27	215.00
10	0.00	33.33	-2.27	215.00
15	0.00	30.29	-2.27	215.00
20	0.00	27.76	-2.27	215.00
25	0.00	25.90	-2.27	215.00
30	0.00	24.86	-2.27	215.00
35	0.00	24.74	-2.27	215.00
40	0.00	25.55	-2.27	215.00
45	0.00	27.21	-2.27	215.00
50	0.00	29.58	-2.27	215.00
55	0.00	32.50	-2.27	215.00
60	0.00	35.83	-2.27	215.00
65	0.00	39.48	-2.27	215.00
70	0.00	43.35	-2.27	215.00
75	0.00	47.40	-2.27	215.00
80	0.00	51.58	-2.27	215.00
85	0.00	55.85	-2.27	215.00
90	0.00	60.20	-2.27	215.00
95	0.00	64.61	-2.27	215.00
100	0.00	69.07	-2.27	215.00
105	0.00	73.56	-2.27	215.00
110	0.00	78.07	-2.27	215.00
115	0.00	82.60	-2.27	215.00
120	0.00	87.14	-2.27	215.00
125	0.00	91.68	-2.27	215.00
130	0.00	96.22	-2.27	215.00
135	0.00	100.76	-2.27	215.00
140	0.00	105.27	-2.27	215.00
145	0.00	109.77	-2.27	215.00
150	0.00	114.23	-2.27	215.00
155	0.00	118.66	-2.27	215.00
160	0.00	123.02	-2.27	215.00
165	0.00	127.32	-2.27	215.00
170	0.00	131.53	-2.27	215.00
175	0.00	135.61	-2.27	215.00
180	0.00	139.54	-2.27	215.00
185	0.00	143.25	-2.27	215.00

Coordination Values		DEADHORSE, AK
Licensee Name		Parsons Corporation
Latitude (NAD 83)		70° 12' 24.3" N
Longitude (NAD 83)		148° 25' 51.5" W
Ground Elevation (AMSL)		23.0 m / 75.5 ft
Antenna Centerline (AGL)		3.66 m / 12.0 ft
Antenna Model		Raven Defense 6.0 meter
Antenna Mode		Transmit 2.0 GHz
Interference Objectives: Long Term	-154.0 dBW/4 kHz	20%
Short Term	-131.0 dBW/4 kHz	0.0025%
Max Available RF Power	-1.1 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	146.67	-2.27	215.00
195	0.00	149.71	-2.27	215.00
200	0.00	152.24	-2.27	215.00
205	0.00	154.10	-2.27	215.00
210	0.00	155.14	-2.27	215.00
215	0.00	155.26	-2.27	215.00
220	0.00	154.45	-2.27	215.00
225	0.00	152.79	-2.27	215.00
230	0.00	150.42	-2.27	215.00
235	0.00	147.50	-2.27	215.00
240	0.00	144.17	-2.27	215.00
245	0.00	140.52	-2.27	215.00
250	0.00	136.65	-2.27	215.00
255	0.00	132.60	-2.27	215.00
260	0.00	128.42	-2.27	215.00
265	0.00	124.15	-2.27	215.00
270	0.00	119.80	-2.27	215.00
275	0.00	115.39	-2.27	215.00
280	0.00	110.93	-2.27	215.00
285	0.00	106.44	-2.27	215.00
290	0.00	101.93	-2.27	215.00
295	0.00	97.40	-2.27	215.00
300	0.00	92.86	-2.27	215.00
305	0.00	88.32	-2.27	215.00
310	0.00	83.78	-2.27	215.00
315	0.00	79.24	-2.27	215.00
320	0.00	74.73	-2.27	215.00
325	0.00	70.23	-2.27	215.00
330	0.00	65.77	-2.27	215.00
335	0.00	61.34	-2.27	215.00
340	0.00	56.98	-2.27	215.00
345	0.00	52.68	-2.27	215.00
350	0.00	48.47	-2.27	215.00
355	0.00	44.39	-2.27	215.00