



March 30, 2022

Re: Atlas Space Operations, Inc.
UTQIAGVIK, AK
Temporary Transmit-Only Earth Station
Operation Dates: 05/02/2022 - 11/02/2022
Job Number: 220330COMSGE02

Dear Frequency Coordinator:

On behalf of Atlas Space Operations, Inc., we are forwarding the attached coordination data for a Temporary Transmit-Only Earth Station to be located at the site referenced above.

This earth station will transmit only on the satellite(s) and frequency, or frequencies as described in the attached data. Please do not report problems involving non-active paths or frequencies outside the specified range.

If there are any questions concerning this coordination notice, please contact Comsearch.

Sincerely,

COMSEARCH

Gary K. Edwards
Senior Manager
gedwards@comsearch.com

Enclosure(s)

Date: 03/29/2022
Job Number: 220330COMSGE02

Administrative Information

Status TEMPORARY (Operation from 05/02/2022 to 11/02/2022)
Call Sign TEMP11
Licensee Code ATLSPC
Licensee Name Atlas Space Operations, Inc.

Site Information**UTQIAGVIK, AK**

Venue Name
Latitude (NAD 83) 71° 16' 30.4" N
Longitude (NAD 83) 156° 48' 22.0" W
Climate Zone A
Rain Zone 2
Ground Elevation (AMSL) 9.0 m / 29.5 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) 2.74 m / 9.0 ft

Antenna Information**Transmit - FCC32**

Manufacturer Gaia
Model 100 Orbit
Gain / Diameter 35.0 dBi / 3.7 m
3-dB / 15-dB Beamwidth 0.50° / 1.00°

Max Available RF Power (dBW/4 kHz) 17.0
(dBW/MHz) 41.0

Maximum EIRP (dBW/4 kHz) 52.0
(dBW/MHz) 76.0
(dBW)

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) 2K00G7W - 40K0G7W / 2097.7

Max Great Circle Coordination Distance 220.0 km / 136.7 mi
Precipitation Scatter Contour Radius 496.6 km / 308.6 mi

Coordination Values	UTQIAGVIK, AK	
Licensee Name	Atlas Space Operations, Inc.	
Latitude (NAD 83)	71° 16' 30.4" N	
Longitude (NAD 83)	156° 48' 22.0" W	
Ground Elevation (AMSL)	9.0 m / 29.5 ft	
Antenna Centerline (AGL)	2.74 m / 9.0 ft	
Antenna Model	Gaia 3.7 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	17.0 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
0	0.00	34.37	4.50	220.00
5	0.00	31.26	4.50	220.00
10	0.00	28.63	4.50	220.00
15	0.00	26.62	4.50	220.00
20	0.00	25.39	4.50	220.00
25	0.00	25.05	4.50	220.00
30	0.00	25.63	4.50	220.00
35	0.00	27.08	4.50	220.00
40	0.00	29.26	4.50	220.00
45	0.00	32.03	4.50	220.00
50	0.00	35.24	4.50	220.00
55	0.00	38.79	4.50	220.00
60	0.00	42.59	4.50	220.00
65	0.00	46.58	4.50	220.00
70	0.00	50.71	4.50	220.00
75	0.00	54.94	4.50	220.00
80	0.00	59.26	4.50	220.00
85	0.00	63.64	4.50	220.00
90	0.00	68.07	4.50	220.00
95	0.00	72.53	4.50	220.00
100	0.00	77.03	4.50	220.00
105	0.00	81.54	4.50	220.00
110	0.00	86.06	4.50	220.00
115	0.00	90.59	4.50	220.00
120	0.00	95.12	4.50	220.00
125	0.00	99.64	4.50	220.00
130	0.00	104.15	4.50	220.00
135	0.00	108.64	4.50	220.00
140	0.00	113.09	4.50	220.00
145	0.00	117.51	4.50	220.00
150	0.00	121.88	4.50	220.00
155	0.00	126.17	4.50	220.00
160	0.00	130.38	4.50	220.00
165	0.00	134.48	4.50	220.00
170	0.00	138.42	4.50	220.00
175	0.00	142.16	4.50	220.00
180	0.00	145.63	4.50	220.00
185	0.00	148.74	4.50	220.00

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Antenna Mode	Transmit 2.0 GHz	
Interference Objectives: Long Term	-154.0 dBW/4 kHz	20%
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Max Available RF Power	17.0 (dBW/4 kHz)	

Azimuth (°)	Horizon Elevation (°)	Antenna Discrimination (°)	Transmit 2.0 GHz	
			Horizon Gain (dBi)	Coordination Distance (km)
190	0.00	151.37	4.50	220.00
195	0.00	153.38	4.50	220.00
200	0.00	154.61	4.50	220.00
205	0.00	154.95	4.50	220.00
210	0.00	154.37	4.50	220.00
215	0.00	152.92	4.50	220.00
220	0.00	150.74	4.50	220.00
225	0.00	147.97	4.50	220.00
230	0.00	144.76	4.50	220.00
235	0.00	141.21	4.50	220.00
240	0.00	137.41	4.50	220.00
245	0.00	133.42	4.50	220.00
250	0.00	129.29	4.50	220.00
255	0.00	125.06	4.50	220.00
260	0.00	120.74	4.50	220.00
265	0.00	116.36	4.50	220.00
270	0.00	111.93	4.50	220.00
275	0.00	107.47	4.50	220.00
280	0.00	102.97	4.50	220.00
285	0.00	98.46	4.50	220.00
290	0.00	93.94	4.50	220.00
295	0.00	89.41	4.50	220.00
300	0.00	84.88	4.50	220.00
305	0.00	80.36	4.50	220.00
310	0.00	75.85	4.50	220.00
315	0.00	71.36	4.50	220.00
320	0.00	66.91	4.50	220.00
325	0.00	62.49	4.50	220.00
330	0.00	58.12	4.50	220.00
335	0.00	53.83	4.50	220.00
340	0.00	49.62	4.50	220.00
345	0.00	45.52	4.50	220.00
350	0.00	41.58	4.50	220.00
355	0.00	37.84	4.50	220.00