

ATLAS' Federated Antenna Network is fully integrated with our Freedom® Software, providing users a low latency, secure communications solution. Including: automated network operations, set-and-forget scheduling, mixed modem capability, real-time metrics, and single secure VPN access.

Location	Lat	Long	Antenna Size	Rx Freq (MHz)	G/T (dB/K)	Tx Freq (MHz)	EIRP (dBW)	Polarization
Utqiagvik (Barrow), AK, USA	71.27	-156.81	3.7m	S: 2200-2300 X: 7900-8400	12.8 25.4	S: 2025-2120 -	60.0 -	R/LHCP
Muonio, Finland	67.89	23.92	3.9m	S: 2200-2300 X: 7900-8500	14.0 27.0	S: 2025-2120 -	54.0 -	R/LHCP
Dundee, Scotland	56.40	-3.18	3.7m	S: 2200-2400 X: 7800-8400	13.6 26.5	S: 2025-2120 -	48.0 -	R/LHCP
Chitose, Japan	42.77	141.62	3.4m	S: 2200-2300 X: 7900-8500	11.5 26.4	S: 2025-2120 -	52.0 -	R/LHCP
Mojave, CA, USA	35.05	-118.15	3.0m	S: 2200-2300 X: 7900-8500	11.3 25.9	S: 2025-2110 -	54.4 -	R/LHCP
Dubai, United Arab Emirates	24.94	55.35	3.7m	S: 2200-2300 X: 7900-8400	12.8 25.4	S: 2025-2120 -	50.0 -	R/LHCP
Paumalu, Hawaii, USA	21.67	-158.03	7.3m	S: 2200-2300 X: 7900-8500	20.7 31.0	S: 2025-2120 -	65.0 -	R/LHCP
Harmon, Guam	13.51	144.82	3.7m	S: 2200-2300 X: 7900-8400	13.6 25.1	S: 2025-2110 -	52.4 -	R/LHCP
Sunyani, Ghana	7.34	-2.34	3.0m	S: 2200-2300	12.4	S: 2025-2110	50.1	RHCP
Mwulire, Rwanda	-1.96	30.39	9.3m	S: 2200-2300 X: 7900-8500	21.5 36.0	S: 2025-2120 -	60.0 -	R/LHCP
Awarua, New Zealand	-46.52	168.38	3.7m	S: 2200-2300 X: 8025-8500	13.7 27.0	S: 2025-2120 -	49.0 -	R/LHCP

Signal Processing Capabilities

Data rates
up to 1.5 Gbps

Supports all commonly
used modulations,
encoding schemes and
FECs

Verified compatibility
with an extensive list
of spacecraft radios

Flexible and configurable
software defined
waveform and protocol
processing

*Please note: All RF bands and transmit / receive capability and polarization can be modified to meet client needs.
Talk to one of our Client Solution specialists to navigate your requirements.



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Location	Lat	Long	Antenna Size	Rx Freq (MHz)	G/T (dB/K)	Tx Freq (MHz)	EIRP (dBW)	Polarization
Sodankylä, Finland*	67.36	26.63	7.3m	S: 2200-2300 X: 7900-8500	19.8 32.1	S: 2025- 2110 -	54.8 -	R/LHCP
Öjebyn, Sweden	65.33	21.42	7.3m	S: 2200-2290 X: 8025-8400 Ka: 25500-27000	18.0 32.0 35.7	S: 2025- 2110 - -	55.2 - -	R/LHCP
North Pole, Alaska, USA	64.79	-147.53	7.3m	S: 2200-2300 X: 8000-8500 Ka: 25500-27000	19.0 32.0 35.7	S: 2025- 2120 - -	53.0 - -	R/LHCP
Stockholm, Sweden*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Dublin, Ireland*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Guildford, United Kingdom	51.24	-0.61	5.4m	S: 2200-2290 X: 8025-8400	17.0 30.0	S: 2025- 2110 -	53.2 -	R/LHCP
Portland, Oregon, USA*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Obihiro, Japan	42.59	143.45	7.3m	S: 2200-2290 X: 8025-8400 Ka: 25500-27000	17.9 31.5 35.0	S: 2025- 2110 - -	55.2 - -	R/LHCP
Columbus, Ohio, USA*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Seoul, South Korea*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Pendergrass, Georgia, USA	34.17	-83.67	5.4m	S: 2200-2290 X: 8025-8400	17.0 30.0	S: 2025- 2110 -	53.2 -	R/LHCP
Deadhorse, Alaska, USA*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP

*Denotes antenna redundancy

Location	Lat	Long	Antenna Size	Rx Freq (MHz)	G/T (dB/K)	Tx Freq (MHz)	EIRP (dBW)	Polarization
Zallaq, Bahrain*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Kapolei, Hawaii, USA*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Accra, Ghana	5.74	-0.30	7.3m	S: 2200-2290 X: 8025-8400 Ka: 25500-27000	18.0 32.0 35.7	S: 2025- 2110 - -	65.0 - -	R/LHCP
Singapore*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Alice Springs, Australia*	-23.75	133.88	7.3m	S: 2200-2290 X: 8025-8400 Ka: 25500-27000	18.0 32.0 35.7	S: 2025- 2110 - -	65.0 - -	R/LHCP
Pretoria, South Africa	-25.88	27.70	7.3m	S: 2200-2290 X: 8025-8400 Ka: 25500-27000	18.0 32.0 35.7	S: 2025- 2110 - -	55.2 - -	R/LHCP
Mingenew, Australia*	-29.01	115.34	5.0m	S: 2200-2300 X: 8025-8500	14.0 29.5	S: 2025-2120 -	55.0 -	R/LHCP
Cordoba, Argentina	-31.52	-64.46	5.4m	S: 2200-2290 X: 8025-8400	17.0 30.0	S: 2025- 2110 -	53.2 -	R/LHCP
Cape Town, South Africa*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Dubbo, Australia*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Punta Arenas, Chile*	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Ushuaia, Argentina	-54.51	-67.11	7.3m	S: 2200-2290 X: 8025-8400 Ka: 25500-27000	17.9 32.0 33.0	S: 2025- 2110 - -	56.0 - -	R/LHCP

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