

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
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 UHF: 397.5-405.5	11.5 26.4 -	S: 2025-2120 - UHF: 450-460	52.0 - 32.0	R/LHCP R/LHCP RHCP
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
Miami, FL, USA	25.61	-80.38	11.3m	X: 8000-8500	34.5	-	-	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 UHF: 395-405	13.6 26.1 -	S: 2025-2110 - UHF: 435-455	52.4 - 32.0	R/LHCP R/LHCP RHCP
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
Tahiti, French Polynesia	-17.63	-149.60	3.7m	S: 2200-2300 X: 7900-8400	13.9 27.4	S: 2025-2110 -	47.5 -	R/LHCP
Awarua, New Zealand	-46.52	168.38	3.7m	S: 2200-2300 X: 8025-8400	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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 ACTIVE GROUND STATIONS

 FEDERATED ROADMAP



RF BANDS
S-Band
X-Band
Ka-Band
UHF

Location	Lat	Long	Antenna Size	Rx Freq (MHz)	G/T (dB/K)	Tx Freq (MHz)	EIRP (dBW)	Polarization
Sondankylä, Finland	67.36	26.63	7.3m	S: 2200-2300 X: 7750-8400	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

*Denotes Viasat RTE



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Zallaq, Bahrain	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Shimoji-shima, Japan*	24.82	125.14	7.3m	S: 2200-2290 X: 8025-8400 Ka: 25500-27000	17.9 31.4 34.7	S: 2025- 2110 - -	55.2 - -	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
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
Mingenew, Australia	-29.01	115.34	5.0m	S: 2200-2300 X: 8025-8400	14.0 29.5	S: 2025-2120 -	55.0 -	R/LHCP
Punta Arenas, Chile	-	-	5.4m	S: 2200-2300 X: 7750-8400	16.0 30.5	S: 2025- 2120 -	50.0 -	R/LHCP
Tolhuin, 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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