

HAWKEYE™ 4 LITE

1.3 m mGS/mPOWER MEO Flyaway VSAT System

Hawkeye 4 Lite (H4L) is the next generation of the widely-fielded L3Harris Hawkeye family, now available for use on MEO (medium Earth orbit). H4L, a tri-band, multi-modem 1.3 m platform, now delivers even higher throughput and lower latency capability than traditional networks through the use of our 5650C2/MP modem module achieving speeds up to 155 Mbps (Tx/Rx).

H4L uniquely allows users to access the mGS/mPOWER network with full TRANSEC capabilities in a transportable system. The O3b mPOWER satellite system, operated by SES, uses high-throughput and low-latency (HT/LL) satellites in an MEO to provide multiple terabits of global broadband connectivity. The satellites' spot beams can be shifted and scaled in real time to distribute power and bandwidth to individual user's terminals specifically.

Lighter in weight with enhanced modularity, H4L VSAT features a carbon fiber 1.3 m segmented antenna supporting high-speed data and voice for Internet, VPN and video transmission. With the addition of the 5650C2/MP modem module, H4L can now deliver even lower latency and higher throughput. This easily transportable, modular solution supports quick, in-field modem changes and easy upgrades to new modem technologies, including anti-jam protection.



**MULTI-ORBIT, ON THE HALT,
RESILIENCY THROUGH
NETWORK DIVERSITY**

KEY BENEFITS

- > L3Harris exclusive Comtech® 5650C2/MP modem offering
- > Embedded Comtech 5650C2/MP modem with FIPS-validated TRANSEC
- > Certified on SES mPOWER Hybrid Sovereign and Sovereign Standalone network services
- > Break-before-make (BBM) and make-before-break (MBB) certified configurations
- > Delivers access to mGS services
- > Comtech 5650C2/MP modem is capable of hosting other waveforms, including EBEM
- > Available in full system and upgrade kit offerings
- > External modems are also supported



KEY SPECIFICATIONS

Aperture	1.3 m parabolic
Light cell style	Center fed feed
Elevation	5° - 90°
Azimuth	+/- 120°
Frequency Band	Ka-band
Frequency Range	29.0 – 31.0 GHz (Tx) 19.2 – 21.2 GHz (Rx)
Polarization	RHCP/LHCP (selectable)
EIRP	59.9 dBW
G/T	21.8 dB/K
Modem	Embedded Comtech 5650C2/MP modem External modem interfaces/support
SES GTC	Type 1 certified (terminal) Type 2 certified (modem)
Sercurity	FIPS 140-3 Level 2
Environmental	MIL-STD-810H
EMI	MIL-STD-461
CE	ETSI EN 301 489-1/-12, EN IEC 62368-1:2020, EN IEC 63000:2018
Part Number	1413CMA-AAK-01T (Hawkeye 4 Lite 1.3m MEO VSAT System) 1413-MMCM-01T (Hawkeye 4 Lite 5650C2/MP MEO Modem Module)



Hawkeye™ 4 Lite/MEO

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