SPLIT RADIO

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PRODUCT DESCRIPTION

The Split Radio is an expansion of capabilities for the BATS-D Handheld Link 16 Radio combined with the BATS Vehicle Amplifier (BVA). The individual components communicate via network backbone infrastructure to facilitate the host/terminal communication. By adopting the L3Harris Split Radio into your system, warfighters will be able to transmit and receive Link 16 from anywhere in the world safely, securely, and with improved performance.

KEY FEATURES

> **Cost Saving** / No classified area to secure and maintain is needed for the BVA.

> **Flexibility** - Transmit from anywhere in the world, just provide IP connectivity for Link 16 operations.

> **Workforce Multiplier** / Significantly reduce personnel requirements for TDL operations.

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SPECIFICATIONS

PERFORMANCE

>	Frequency Range:	969 to 1206 MHz Link 16
>	Transmission Modes:	Link 16 TDMA, All OP modes and enhanced throughput
>	Antenna Ports:	Link 16 port A, 50 Ω TNC Link 16 port B, 50 Ω BNC
>	Data Interfaces:	Dedicated Ethernet to companion Link 16 Cryptographic Product Platform discretes (Power on, TX indicator, etc.)
>	DC Input:	28 VDC per MIL-STD-704F
>	Current Draw:	2.4 A typical 7.5 A peak (during TX time slot) 12 A max (power-on inrush)
>	Power Draw:	67 W average (based on 5% TX TSDF)
>	Dimensions:	5" (w) x 5.6" (h) x 6.8" (d), 12.7 cm (w) x 14.2 cm (h) x 17.3 cm (d)
>	Volume:	190 cu in.
>	Weight:	8.83lb (4.01 kg)
>	Range:	Clear line-of-sight transmission range in excess of 200 nm
>	RF Power Output:	63 W
>	L-Band:	Link 16 data and voice including enhanced throughput modes

ENVIRONMENTAL

>	Operating Temperature:	
-	Forced convection cooling[1]:	-30°C to +52°C (-22° to +125°F)
-	No cooling[2]:	52°C* at 1% TSDF
-	Cold plate cooling[2]:	60°C* at 3.8% TSDF
-	Storage Temperature:	-54° C to +90°C (-65° to +194°F)
>	Humidity:	90% non-condensing per MIL-STD-810F
>	Shock:	40 G, 11 msec all axes per MIL-STD-810F
>	Vibration:	MIL-STD-810H Method 514.8 Procedure I, Category 24

BVA   BATS-D
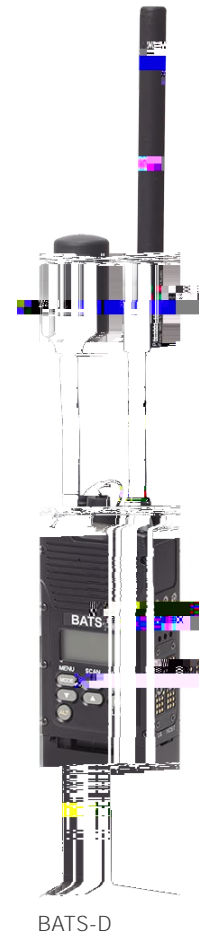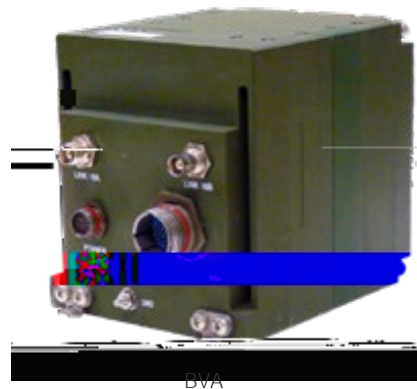
1. VPN 1427027 Wireless Split Radio Upgrade: Split Radio System upgrade is required to enable wireless communications via network backbone infrastructure.
2. Max temperature dependent on TSDF. See system specification for details at various TSDFs

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Spli Radio

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