

# TRUEPATH PUBLIC SAFETY BDA 700 and 800 MHz 0.5W CLASS B DC



**MODEL # 7831851-0023**



## FEATURES

- Compact, high performance, economical public safety signal source
- UL2524 Certified - UL File S36319
- High performance architecture that supports up to 3 wide band filters
- Automatic Gain Control (AGC) and channelized uplink squelch ensure clear voice transmission
- Output power and band capacity can be field upgradeable via license key
- Web-based GUI and SNMP support for intelligent configuration and monitoring
- NFPA 1225 and IFC compliant
- Built-in automatic donor antenna supervision
- Automatic oscillation detection and self-healing mechanism
- Short installation time due to built-in isolation test, alarm test and one click summary report

## GENERAL SPECIFICATIONS

Antenna Interface at Repeater 4.3-10 female  
Supervision/Control Option Dry Alarm contacts with 2.2K Ohm EOL resistors | Remote control via Ethernet

## DIMENSIONS

Height 480 mm | 18.898 in  
Width 400 mm | 15.748 in  
Depth 170 mm | 6.693 in

## ELECTRICAL SPECIFICATIONS

Electrical Safety Standard CAN/CSA-C22.2 No. 62368-1 | UL 2524 Certified | UL 62638 | US FCC Part 20  
US FCC Part 90  
Gain, typical 90 dB  
Gain Adjustment Range 30 dB  
Group Delay, maximum, specific 3  $\mu$ s @ full band | 90  $\mu$ s @ 12.5 kHz  
License Band 700 (including FirstNet) | 800  
Local Power -48 Vdc  
Return Loss 13 dB  
Power Consumption 160W

## ELECTRICAL SPECIFICATIONS, Rx (Uplink)

Operating Frequency Band 788-798 MHz (FirstNet) | 788-805 MHz | 796-824 MHz  
Output Power @ One Carrier 27 dBm  
Output Power @ Two Carriers 24 dBm

## ELECTRICAL SPECIFICATIONS, Tx (Downlink)

Operating Frequency Band 758-768 MHz (FirstNet) | 758-775 MHz | 851-896 MHz  
Output Power @ One Carrier 27 dBm  
Output Power @ Two Carriers 24 dBm

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature -30 C to +50 C (-22 F to +122 F)  
Ingress Protection Method IEC 60529:2001, IP66 | NEMA 4X | UL 2524 Certified | UL Type 4

## PACKAGING and WEIGHTS

Weight, net 19 kg | 41.888 lb

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