

# TRUEPATH PUBLIC SAFETY BDA 700 OR 800 MHz 0.5W CLASS A DC



**MODEL # 7831758-0022**



## FEATURES

- Compact, high performance, economical public safety signal source
- UL2524 Certified - UL File S36319
- High performance digital programmable architecture supports up to 32 channels per band
- 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  
Supervision/Control Option

4.3-10 female  
Dry Alarm contacts with 2.2K Ohm EOL resistors | Remote control via Ethernet

## DIMENSIONS

Height  
Width  
Depth

480 mm | 18.898 in  
400 mm | 15.748 in  
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  
Gain Adjustment Range  
Group Delay, maximum, specific  
License Band  
Local Power  
Return Loss  
Power Consumption

90 dB  
30 dB  
3  $\mu$ s @ full band | 90  $\mu$ s @ 12.5 kHz  
700 (including FirstNet) | 800  
-48 Vdc  
13 dB  
160W

## ELECTRICAL SPECIFICATIONS, Rx (Uplink)

Operating Frequency Band  
Output Power @ One Carrier  
Output Power @ Two Carriers

788-798 MHz (FirstNet) | 788-805 MHz | 796-824 MHz  
27 dBm  
24 dBm

## ELECTRICAL SPECIFICATIONS, Tx (Downlink)

Operating Frequency Band  
Output Power @ One Carrier  
Output Power @ Two Carriers

758-768 MHz (FirstNet) | 758-775 MHz | 851-896 MHz  
27 dBm  
24 dBm

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature  
Ingress Protection Method

-30 C to +50 C (-22 F to +122 F)  
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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