



Public Safety BDA for 700 or 800 MHZ 2W CLASS B AC

- 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 with .5W and 2W power output
- Automatic Gain Control (AGC) and channelized uplink squelch ensure clear voice transmission
- Output power and band capacity can be field-upgraded via license key
- Web-based GUI and SNMP support for intelligent configuration and monitoring
- NFPA 1221 and IFC compliant
- Automatic oscillation detection and self-healing mechanism
- Built-in automatic donor antenna supervision
- Short installation time due to built-in isolation test, alarm test and one click summary report

Product Classification

Product Type Public safety RF repeater unit

General Specifications

Antenna Interface at Repeater 4.3-10

Indoor Antenna Optional, not included

Performance Note Values typical, unless otherwise stated

Supervision/Control Option Dry alarm contacts with 2.2k Ohm EOL resistors | Remote control via Ethernet

Dimensions

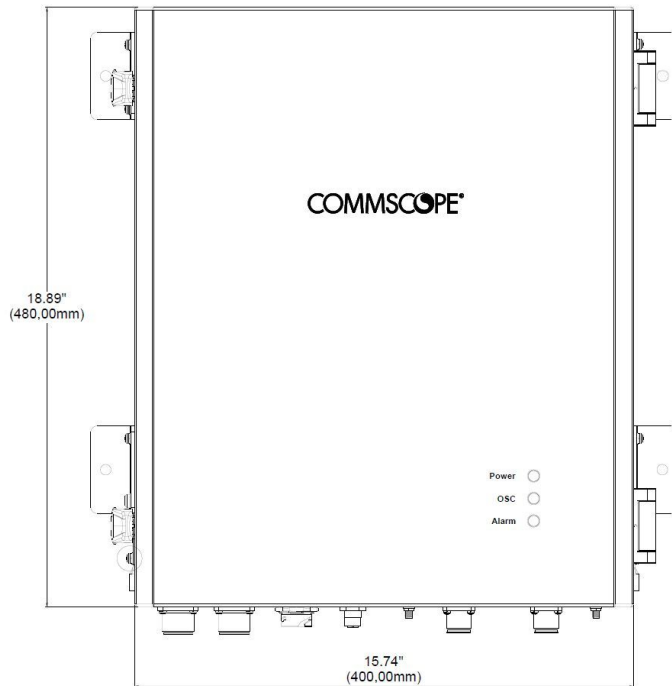
Height 480 mm | 18.898 in

Width 400 mm | 15.748 in

Depth 170 mm | 6.693 in

Optional Antenna Length 90 mm | 3.543 in

Outline Drawing



Electrical Specifications

Electrical Safety Standard	UL 62368 US FCC Part 20 US FCC Part 90
Gain, typical	90 dB
Gain Adjustment Range	30 dB
License Band	700 (including FirstNet) 800
Local Power	110 Vac
Mains Power	110VAC/60Hz
Return Loss	13 dB
Power Consumption	160 W

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 – 869 MHz
Output Power @ One Carrier	33 dBm

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Output Power @ Two Carriers

30 dBm

Environmental Specifications

Operating Temperature

-30 °C to +50 °C (-22 °F to +122 °F)

Ingress Protection Test Method

IEC 60529:2001, IP66 | NEMA 4X

Packaging and Weights

Weight, net

19 kg | 41.888 lb

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system

