



GUARDIAN3 QR - Quick Response™



Industrial Use



Public Safety
Bands (PSB)



100+ Users
Per Band

Public Safety Communications Signal Amplifier for Coverage up to 80,000 sq. ft.

Overview

SureCall's latest innovation, the Guardian3 QR, is a Bi-Directional Amplifier that services the full Public Safety 700 MHz and 800 MHz bands as well as the 900 MHz SMR (Specialized Mobile Radio Service) band. The Guardian3 QR meets Chapter 24 of NFPA 72 standards, improving weak First Responder signals for critical and non-critical areas within the building.

Unique Features

- Provides improved coverage for 700 MHz (FirstNet Ready), 800 MHz and 900 MHz SMR for coverage up to 80,000 sq ft
- 80 dB Wideband amplifier
- Meets Chapter 24 Emergency Communications System of NFPA 72
- NEMA 4 rated amplifier housing. No additional NEMA enclosure(s) needed
- Linear Design increases number of simultaneous users to 100+ per band
- Features built-in SureCall Sentry remote monitoring system with Ethernet port
- Integrated 7-pin alarm
- UPS port for external battery backup
- Energy-saving operation allows bands to remain dormant when not in use
- Automatic gain control (AGC)
- Independently adjustable frequency attenuation for uplink and downlink
 - » Reduce gain in -1 dBm increments

Ideal Applications

- » Commercial » Hotels » House of Worship
- » Hospitality » Education » MDU's



SureCall Guardian3 QR Bi-Directional Amplifier with Nema4 Rated Enclosure

Key Product Specifications

Uplink Frequency Range:	788-805 / 806-824 / 896-901 (Including D Block)
Downlink Frequency Range:	758-775 / 851-869 / 935-940 (Including D Block)
Supported Standards:	Public Safety 700 and 800 and SMR 900
Maximum Gain:	80 dB
Gain Adjustment:	31 dB
Noise Figure:	≤ 8 dB
VSWR:	≤ 2.0
Maximum RF Output Power:	26 dBm
P1dB:	31.5 dBm
RF Connectors:	N Female (both ends)
Power Consumption:	50W



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Downlink Frequency Range(MHz):	758-775 / 851-869 / 935-940 (Including D Block)
Maximum Gain:	80 dB
Gain Adjustment:	31 dB
Noise Figure:	≤ 8 dB
VSWR:	≤ 2.0
Supported Standards:	Public Safety 700 and 800, and SMR 900
AC Input:	110 V, 60 Hz
Maximum RF Output Power:	26 dBm
P1dB:	31.5 dBm
Cable:	SC-400 (not provided)
RF Connectors:	N Female (both ends)
Power Consumption:	50W
Operating Temperature:	-4°F to +131°F
Dimensions:	21.5 x 17 x 6 inches
Weight:	49.6 lbs.
FCC (USA):	RSNFORCE3-PSB

Specifications are subject to change. Specifications contained within apply only to products meeting the latest FCC Certification Guidelines of 2/20/2013.