

R2680 MPT1327 Trunking Communications System Analyzer

- Performs comprehensive testing and diagnostics
- Suitable for manufacturing and engineering design applications
- Provides field service and repair of both MPT-equipped and conventional radios



The R2680: The best choice for MPT trunked radio service

General Dynamics Communications Test Equipment is proud to announce the R2680 with MPT1327/1343 trunking test capability. If you calibrate, maintain, repair or design MPT trunked radios, the R2680 is for you.

Because of the unique design of the R2600 family of Communications System Analyzers, the R2680 can perform many complex functions with one single piece of equipment. This “one box” design is particularly helpful in remote sites where multiple pieces of heavy equipment are either

impractical or impossible. The R2680 is rugged enough to withstand heavy activity, and can also be operated from a variety of power sources, making it ideal for field use. The R2680 saves you time and helps you work more efficiently — improving your effectiveness and profitability.

Whether for use in your shop, at your customer’s site or at a remote location, let the General Dynamics R2680 — and our experience — work for you.

GENERAL DYNAMICS
C4 Systems

The General Dynamics R2680

Features and Benefits

The R2680 gives you cost and space savings. In addition to its comprehensive MPT1327 test capabilities, it does the job of each of these individual test instruments:

- Signal Generator
- Measurement Receiver
- RF Scanner
- Spectrum Analyzer
- Duplex Generator
- Audio Frequency Counter
- AC/DC Voltmeter
- Digital Oscilloscope
- RF Wattmeter
- Signal Strength Meter
- SINAD Meter
- Distortion Meter
- Signaling Simulator

The R2600 family of Communications System Analyzers is known for its user-friendly, efficient operation:

- The display is organized into easy-to-read windows for quick comprehension of test results
- Test settings and results are displayed simultaneously, eliminating the need to switch between screens
- Soft Keys permit quick access to the many menu selections, simplifying test setups
- Built-in memory easily stores and recalls frequently used configurations
- Built-in help screens give instant access to user information

The end result is a product that combines the time-tested and field-proven quality and reliability of the R2600 family with extensive MPT1327 test capability: The R2680 from General Dynamics.

MPT1327 Features

Signaling Types:

Germany Regionet 43 Sub-bands D1 and D2, UK MPT1327 Band III Sub-bands I and II, Dutch Actionet, Italian Privatex, New Zealand PTC 253, French PAA 2424 VHF, French PAA 2424 UHF, and Finnish Autonet predefined.

User configurable Signaling Types:

Non-volatile storage of up to 10 user defined signaling types.

Call sequence Tests:

Radio and System Initiated:

- Individual Call
- Group Call
- All Call
- PABX Call
- PSTN Call
- Status Message
- Short Data Message

MPT1327 Test Parameter Entries:

(Dependent on Test Selection)

- Signaling Type
- System ID
- Control Channel Number
- Traffic Channel Number
- Call Sequence
- Emergency Priority
- Call Set-up
- Radio ID2
(for System Initiated Tests)

- Group ID
- Group Call Type
- Status Code
- Data Codewords
- Signaling Parameters

Test Measurement Display:

(Dependent on Test Selection)

- Radio ID
- Radio ESN
- Call Status Indicator
- Control Channel Frequency
- Traffic Channel Frequency
- Emergency Priority
- Group ID
- Group Call Type
- PABX Number
- PSTN Number
- Status Code
- Data Codewords
- Raw Telegrams (Storage for last 99)
- RF Performance Data

Auto Test Capability:

Test up to 3 Traffic Channels for quick SINAD, Frequency Error, Frequency Deviation, and RF Power Measurements.

Radio ID Decoding:

MPT1327 Format: Prefix-Indent

Ordering Information

Part No

R2680

Options and accessories

RLN5069

RLN4306

RLN4485

RPN4000

1580357877

A001

A002

Description

Communications Systems Analyzer, MPT1327

Tracking Generator

Cable Fault

Programmable Test Setup Memory

Battery Pack

Canvas Carrying Case

Transit Case

Transit Case with Wheels

All trademarks indicated as such herein are trademarks of General Dynamics ® Reg. U.S. Pat. & Tm. Off. All other product or service names are the property of their respective owners. © 2006 General Dynamics. All rights reserved. General Dynamics reserves the right to make changes in its products and specifications at any time and without notice.

GENERAL DYNAMICS

1915 Harrison Road, Longview, TX 75604
Telephone: (903) 295-1480 • Fax: (903) 295-1479 • Email: cte@gdsatcom.com

Hudson 5474-553 • 5/06

Please visit our web site at www.gdsatcom.com/cte.html to find the representative in your area.