The General Dynamics 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.

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
- Tracking Generator
- 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

GENERAL DYNAMICS

8201 East McDowell Road • Scottsdale, Arizona 85257

Please call the General Dynamics representative in your area for assistance with product information, pricing and orders.
In the United States • Telephone 877-449-0600 (Toll Free) • Fax: (480) 441-7169 • Website: www.gdc4s.com/cte

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