



Replace Obsolete Signal Generators With Minimal Changes to Your Test Program Sets

Product Note



The 2500B and 2400C Series Microwave Signal Generators are capable of emulating the following signal generators:

- HP 8370 Series
- HP 8350 Series
- GT 900 Series
- GT 6000 Series
- HP 8340 Series (compatible with the 8757D Scalar Network Analyzer)
- HP 8360 Series
- GT 12000 Series
- GT 7000 Series
- HP 8663 Series
- GT 9000 Series
- Systron Donner 1720
- HP 8673C/D Series
- Wavetek 900 Series



Overview

Aging test instrumentation is a concern for engineers supporting old Automated Test Equipment (ATE) systems. Users of these systems are faced with the dilemma that test instruments in these aged systems are no longer available, are becoming too costly to maintain and repair and are no longer supported by the original equipment manufacturer. One solution is to replace the obsolete model altogether.

The primary concern when replacing old test equipment is editing the existing Test Program Sets (TPS) or ATE program code. This can be a time consuming and costly solution. In some cases it is almost impossible to reprogram the existing code because some of the TPS use older compilers that are no longer available.

Emulation Command Sets

The 2500B and 2400C Series Signal Generators have several optional emulation command sets, which enable the signal generator to emulate other manufacturer's signal generators. These optional command sets enable the signal generator to accept and respond to programming commands as if they were an instrument from a different manufacturer. These command sets facilitate the replacement of many of the most popular synthesizers, such as many Hewlett Packard synthesizers, found in test systems that are still in service today.

The 2500B and 2400C signal generators and the optional emulation modes can be used to replace old and obsolete test equipment. One Giga-tronics signal generator is capable of emulating several other models of synthesizers. The benefit of a single signal generator capable of replacing multiple synthesizer models is that the need to maintain spares for each of the replacement models is reduced to one synthesizer model whenever a unit is in need of service or calibration.

All the previous series of Giga-tronics signal generator command sets are standard on the 2400C and 2500B Series signal generators. Some features and functions of the existing signal generator that is to be replaced may not be available on the 2400C and 2500B Series signal generators. Contact your local sales representative or Giga-tronics to determine if a 2400C or 2500B Series signal generators is the right model for replacing your obsolete signal generator.



For more information:

More information about the products mentioned in this technical brief may be found from our website.

www.gigatronics.com

2500B Series Microwave Signal Generator Data Sheet

- <http://www.gigatronics.com/downloads/datasheets/2500B-ds.pdf>

2400C Series Microwave Signal Generator Data Sheet

- <http://www.gigatronics.com/downloads/datasheets/2400C-ds.pdf>