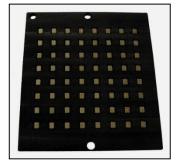


W-2211MR CRYSTAL TEMPERATURE TEST SYSTEM

- Industry's first crystal temperature test system with 100% electronic switching
- Proprietary 50 ohm reflection network provides typical frequency measurement repeatability 10 ppb!
- Chamber holds thirty-two 64-position pallet socket DUT PCBs for a total of 2,048 parts
- RTD sensor mounted on DUT PCB for precision temperature measurement
- Crystals of different frequencies can be tested in a single temperature run
- Supports part sizes from 8045 to 1210
- Thermistor-crystal testing for GPS application :
 - Residual frequency stability slope RFSS (ppb/°C)
 - 5°C small orbit hysteresis 1 RFHS (ppb/°C)
 - 5°C small orbit hysteresis 2 HSO (ppb pk-pk)

Extremely high speed, high precision frequency measurement using calculated FL over temperature, measures 2,048 parts in < 1 minute





64 Position Pallet



64 Position
Pallet Socket
DUT PCB

SPECIFICATIONS

250B-1 Frequency Range: 250C Frequency Range: Frequency Correlation: Frequency Repeatability: Temperature Stability:

Temperature Range:

1 MHz to 220 MHz 1 MHz to 500 MHz

± 1 ppm* at series (typical)

10 ppb (typical)

± 0.1° C

-55° C to 125° C (MR)

-65° C to 125° C (MR with LN₂ Boost)

* Proprietary measurement and calibration algorithms provide correlation to industry standard crystal measurement equipment.

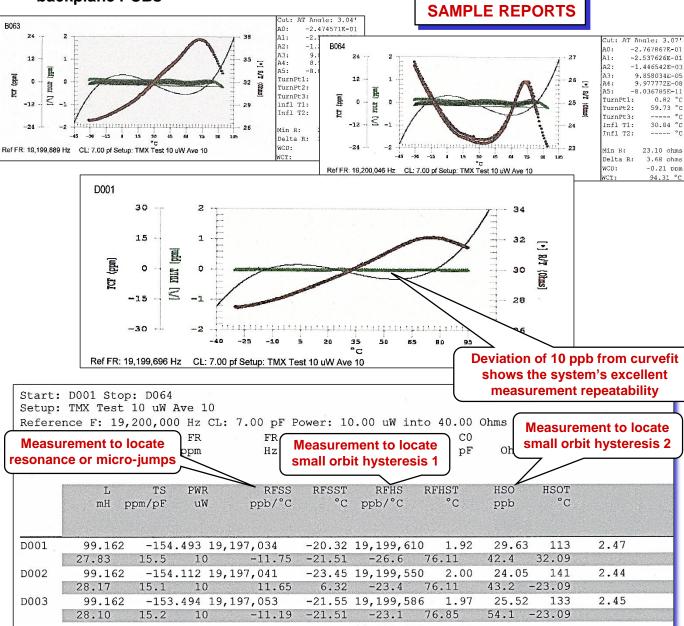
SAUNDERS & ASSOCIATES, LLC

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SYSTEM CONFIGURATION

- Two S&A 250B-1 or 250C Network Analyzers
- S&A 4365MR Option 1 Temperature Test Chamber
- Four 8-position card cages and backplane PCBs

- 50 Ohm Reflection Networks
- Windows[®] based System Software
- System Controller
- Printer (Optional)



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