

Preliminary

Lightwave Frequency Response Analyzer (FRA)



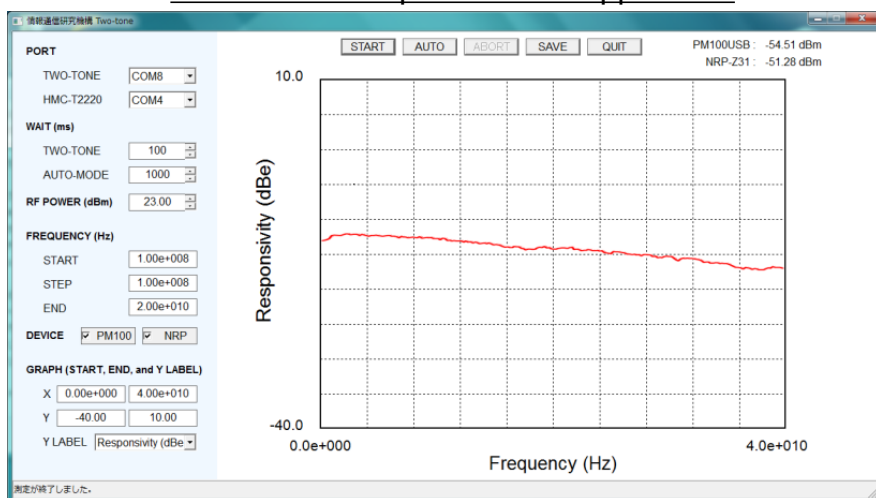
Key Features

- High accuracy
- Wide band
- Cost-effective alternative
- Compact size

Main features

- Sufficient precision frequency measurement of photodiodes and optical receivers for high-speed and high-density optical fiber communications.
- Using a heterodyne method with a highly accurate two-tone signal source.
- High accuracy measurement by user-side calibration.
- Applying IEC TC103 international standard for the measurement method.

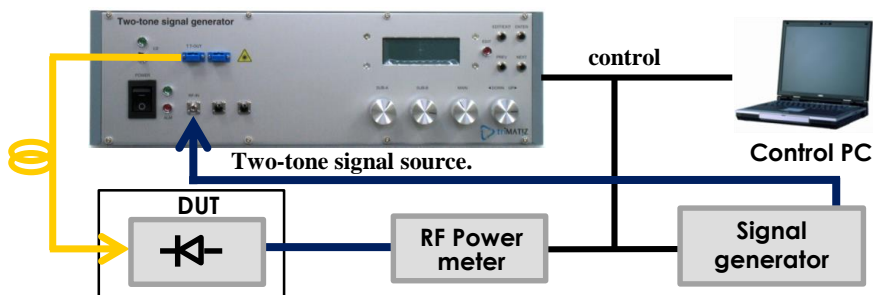
Measured example with GUI application



Specifications

Items	Specifications	Comments
Wavelength	1530 nm to 1570 nm	Full C-band
Frequency	200 MHz to 40 GHz	
Relative gain accuracy	± 0.6 dB	
Absolute gain accuracy	± 0.8 dB	
Frequency accuracy	< 10 Hz	RF signal generator

System configuration



Contact information

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Product specifications and descriptions in this document subject to change without notice.



This product was developed based on technology transferred from NICT (National Institute of Information and Communications Technology).