



## Basic 21 Application Note - 22 Automatic Measurement of IF Filter for Mobile Communications

### 1. Composition

Network Analyzer MS4630B  
PTA software  
Crystal filter of DUT

### 2. Background

The market scale of IF filter for communication is growing as mobile communication evolution. It needs lower cost by mass production with the market growth. Measuring instruments require functions and performance to greatly improve measurement throughput. Newly developed network analyzer can sweep at high speed and analyze filter easily to meet the requirement. And then, automatic measurement sample software, usable in built-in PTA, can improve throughput with high-speed automatic measurement.

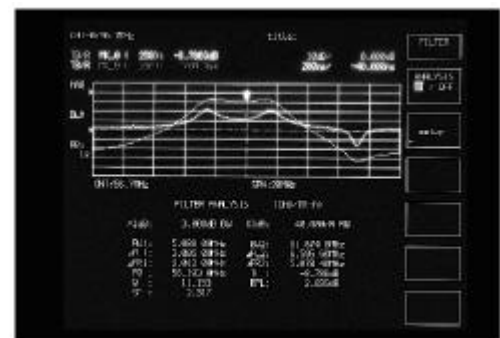
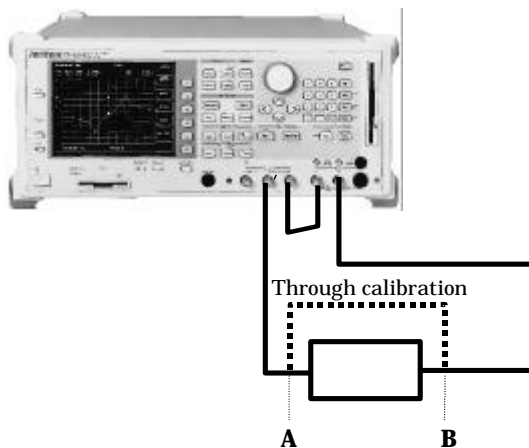
### 3. Usage

High-speed and accuracy analysis of IF filter characteristic by PTA program and specific function.

### 4. Feature

- Measurement speed: 150uS / point (response calibration)
- Wide dynamic range: 120dB (1kHz RBW)
- Filter analysis function (× dB bandwidth, in-band ripple, fO, minimum loss, Q, SF)
- Parallel measurement: four-trace display by two channels

<Measurement system>



Specific function

# Anritsu

Specifications are subject to change without notice.

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