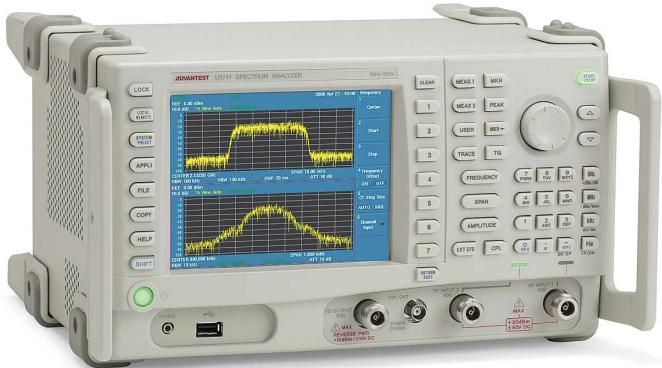


# Selection Guide

Advantest offers new measurement-style  
"New Concept Solution"

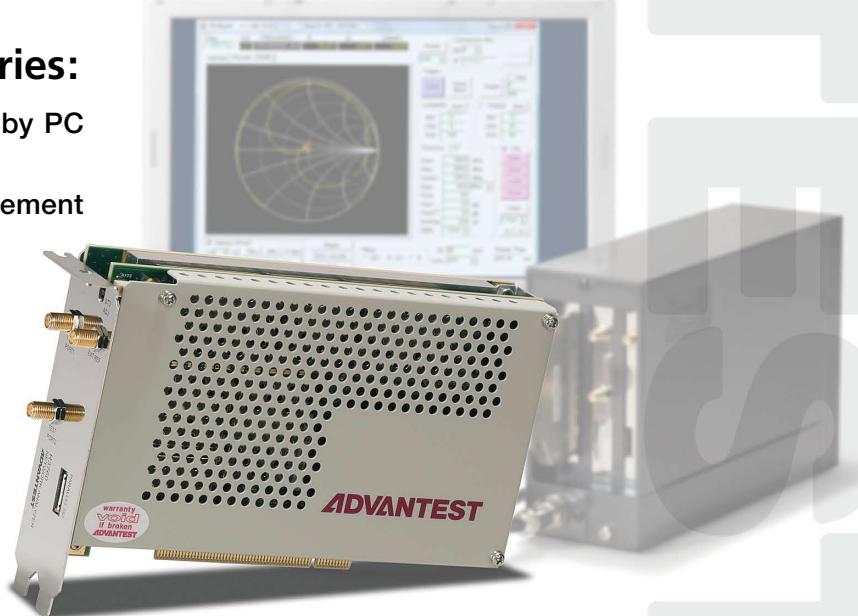
## Spectrum Analyzer Series:

- New measurement by two channel input
- Fundamental parameter measurement by time domain analysis



## Board Network Analyzer Series:

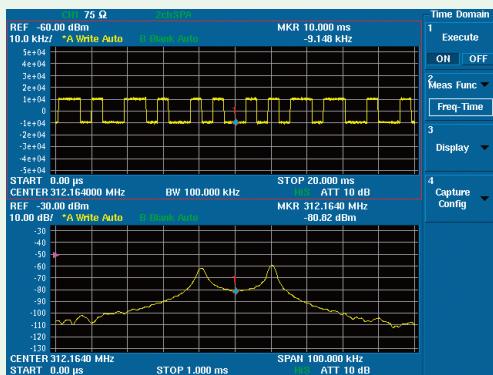
- Reflection/transmission measurement by PC deployment type network analyzer
- Systems construction by new measurement method





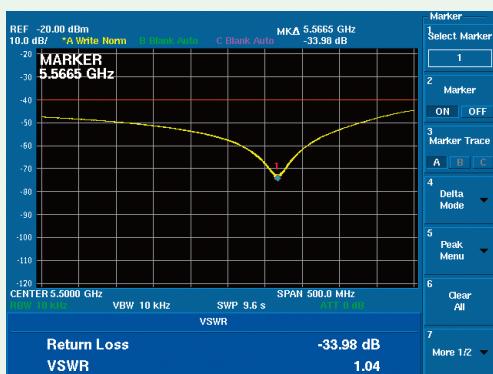
### Specific low power supply unit:

Example of F-T and FFT measurement



### Antenna or filter:

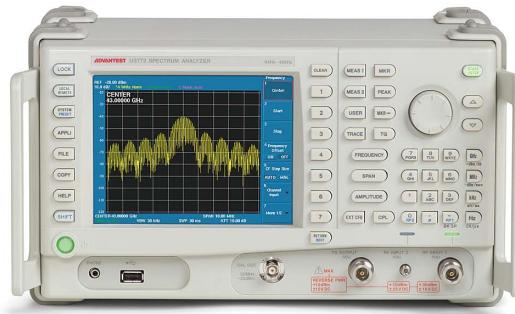
Example of return loss VSWR measurement



## Spectrum Analyzer Series

### 31GHz Spectrum Analyzer U3771

### 43GHz Spectrum Analyzer U3772



U3771/U3772

**Frequency range:** U3771 9kHz to 31.8GHz  
U3772 9kHz to 43GHz

**Resolution bandwidth range:** 100Hz to 3MHz, 30Hz to 3MHz(OPT.70/71)

**Measurement range:** RF1 +30dBm to -123dBm(Band:0,PreAmp Off)  
RF2 +10dBm to -105dBm(Band:4)

### ■ Feature of option (Refer to the options guide for the combination)

- Corresponds to the broadcasting equipment by 75Ω input (OPT.11,15).
- Parallel monitoring RF and IF signals by 2 ch input (OPT.10,11).
- Simultaneous measurement of different signals or different items by 2 ch input.
- Measurement of RF fundamental parameter by time domain analysis. (OPT.53,54,55,56).
- Time-domain analysis for high-frequency signal to 43GHz.
- Reflection/transmission measurement up to 6GHz by Tracking generator (OPT.77).

### ■ Spectrum Analyzer Series Accessory

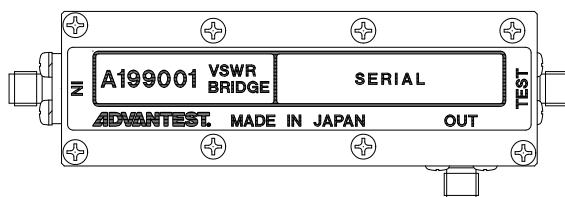
	Model No.	Product name	Outline
Accessory	JU3700S-A	Japanese operating manual (printed manual)	The operating manual on the CD is supplied as standard.
	EU3700S-A	English operating manual (printed manual)	The operating manual on the CD is supplied as standard.
	A870008	Battery pack	for U3700 series, A maximum of 2.5-hour enabled
	A870009	Charger	Two-piece charge is simultaneously possible in A87008
	ZT-130NC	75 Ω input impedance converter	Loss 6dB Frequency characteristic up to 2GHz
	A114020	DC power cable	DC +11V to +17V
	A129001	Carrying bag	Cloth bag
	A129002	Transit case	Aluminum cases (with the handle which can be expanded and contracted)
	A122003	Rack mount kit (JIS)	—
	A124004	Rack mount kit (EIA)	—
	A899001	Filter for spurious measurement	2.8 to 18 GHz (HPF)
	A899002	Filter for spurious measurement	8 to 18 GHz (HPF)
	A899003	Filter for spurious measurement	11 to 26 GHz (HPF)
	A899004	Filter for spurious measurement	18 to 30 GHz (HPF):

### A199001 6GHz VSWR Bridge

**Frequency range:** 100MHz to 6GHz

**Directivity:** ≥34dB (100MHz to 1GHz)  
≥29dB (1 to 3.8GHz)  
≥25dB (3.8 to 6GHz)

**External dimensions :** Approx. 103 × 35 × 20mm  
(W × H × D)



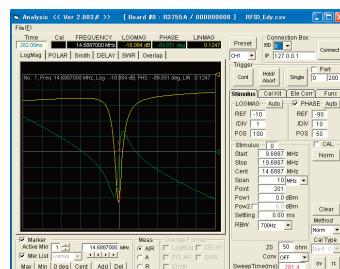
# Board Network Analyzer Series

## 300MHz Board Network Analyzer R3755A



Frequency range: 10kHz to 300MHz  
Output level: +18dBm to -43dBm  
(1MHz to 300MHz)  
Measurement parameter: A/R  
External dimensions: PCI board, half size, 1 slot  
Input/output: Parallel I/O (Standard)

### Example of sample software measurement

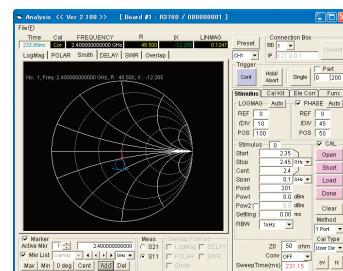


R3755A Log/Mag Display

## 6GHz Board Network Analyzer R3760



Frequency range: 300MHz to 6GHz  
Output level: 0dBm to -10dBm  
(≤ 3GHz)  
Measurement parameter: Transmission/Reflection  
External dimensions: PCI board, half size, 2 slots  
Input/output: Parallel I/O (Standard)



R3760 Smith Chart Display

### Common feature to series

- The new board network analyzer used including in a personal computer.
- Software development environments: Microsoft VB and C++.
- Provide a production line with optimality space-saving and low cost-ization.

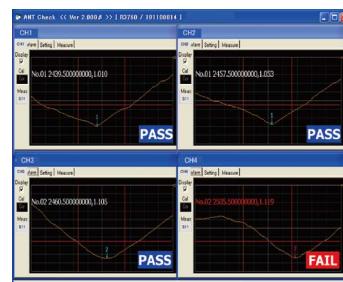
\*Please inquire about recommended personal computer.

### Accessories

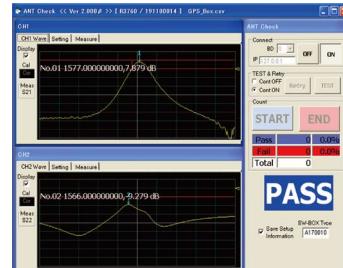


**4-port Adapter A170009**  
**Forward/Reverse Adapter A170010**

Frequency range: 300MHz to 6GHz  
Insertion loss: <5.5dB at 6GHz



Parallel measurement for four antenna devices (A170009)



Measurement for antenna devices to have AMP built-in (A170010)

Microsoft, Windows, Visual Basic are registered trademarks of Microsoft Corporation in the U.S. and/or other countries.

\*Please refer to product manual for complete system specifications.

\*Specifications may change without notification.

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