

1. 32GHz ADVANTEST U3711
2. 20GHz R&S RTO0124
3. 68 Agilent 16822A
4. Intek LCR-819
5. 60cm
6. EM-11
7. 120mmTSA-120
8. Anritsu MG3681A
9. AFG3251C
10. 2400

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## 1.ADVANTEST

### U3771

U3771/U3772 6kg Image Suppression 35USB

#### Compact Size

- 1/2
- 

#### 5 min. Warm-up

- 
- 5

#### USB Interface

- USBUSB PNG, BMP BIN, XML

#### Operating with battery

- 
- 5.52

## 2.R&S®RTO

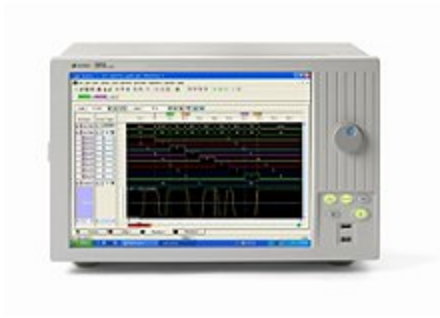
2GHz20GHz

	R&S®RTO1002R&S®RTO1012R&S®RTO1022	2
	R&S®RTO1004R&S®RTO1014R&S®RTO1024R&S®RTO1044	4
3 dB 50	R&S®RTO1002R&S®RTO1004	600 MHz
	R&S®RTO1012R&S®RTO1014	1 GHz
	R&S®RTO1022R&S®RTO1024	2 GHz
	R&S®RTO1044	4 GHz
	R&S®RTO1002R&S®RTO1004	583 ps
	R&S®RTO1012R&S®RTO1014	300 ps
	R&S®RTO1022R&S®RTO1024	175 ps
	R&S®RTO1044	100 ps
		50 ±1.5 %      1 M ±1 % 15 pF (meas)
		50 : 1 mV/div 1 V/Div      1M: 1 mV/div 10 V/Div
A/D (ENOB)	3dB	> 7 (meas)
		10 G/s
	R&S®RTO1044	10 G/s (4) 20 G/s (2)
	1/1	R&S®RTO1002 R&S®RTO1012 R&S®RTO1022:      20 /40 M R&S®RTO1004 R&S®RTO1014 R&S®RTO1024:      20 /80 M

	R&S®RTO-B102 1/1	R&S®RTO1002 R&S®RTO1012 R&S®RTO1022: 100 /200 M R&S®RTO1004 R&S®RTO1014 R&S®RTO1024: 100 /400 M
	10G/s1k	1,000,000/s
		< 200 ns
	13	RMS
		Sin(x)/x/
		25 ps/div 50 s/div
	/	2.5 ppm
	/ (R&S®RTO-B4 )	0.02 ppm
		±100 ns ( )
		RuntWindowData2ClockI2CSPI RS-232/UARTLINCANFlexRay
		0.1 ~ 0.5 div
		100 ps
	R&S®RTO1044	50 ps
		100kHz ~50%
		+*1/x x dx/dtlog10logelog2rescale FIRFFT
	W x H x D	427 mm x 249 mm x 204 mm (16.81 in x 9.8 in x 8.03 in)
	R&S®RTO1024	9.6 kg (21.16 lb)
		10.4 LCD XGA(1024 x 768 )
		1GbpsLAN4xUSB2.0GPIBDVI

### 3.Agilent

16822A 68



- 1538.1 cm
- 32 M68
- -5V5V10mV
- 48300 M/s16 M

- 4 GHz250 ps64 K
- 1 GHz/500 MHz
- 500 MHz

- 450 MHz
- : 500 Mb/s
- 
- 

**16822A**

68

48

64 K4 GHz250 ps

1.0 GHz1.0 ns/500 MHz2.0 ns

450 MHz500

250 MHz250

500 Mb/s500

250 Mb/s250

1 M001

4 M004

16 M016

32 M032

300 MHz	180 MHz
24	48
16 M	8 M

5 V TTL3TTL3TTL/CMOS 3.1.8 V 3.2.5 V 3.3 V ECL  
5 V PECL3.3 V LVPECLLVDS

#### 4. Instek LCR-819

### 100kHz LCR LCR-819

	12Hz100kHz503
	0.05
/	100
	()
	R/QC/DC/RL/Q
LCD	240x128
	RS-232C
PC	LCRVIEW
	330(W)x149(H)x437(D)mm5.5kg

4 LCR-06A

### 5.MEAD LX200GPS

30 cm

<http://www.stargaze.co.jp/shohin/meade/LX200GPS/LX200GPS.html>



### 6.EM-11

Temma 2M

<http://www.takahashijapan.com/ct-products/products/EM-11Temma2M.html>



7.120

<http://www.mmjp.or.jp/takahashi-sb/sbn/takahashi.html#tsa120>



8.Anritsu

MG3681A



MG3681A  
250 kHz-3GHz, S/N

MG3681AW-CDMAMU368040A CDMA  
AMFM

: W-CDMA, IS-95, PHS, /4DQPSK

MU368040A(CDMA)  
MU368000A16.5McpsW-CDMAMG3681AMX368041AW-CDMADSP384kbps(PN9PN15)Information bit rate3GPPReference Measurement Channel

MX368041A/B-10(3GPP RELEASE5 )  
W-CDMAMX36804A/BMG3681AHSDPA3GPP Release 5(2003-03)

MX368041A(W-CDMA)  
W-CDMAMU368040AMG3681A3GPP(FDD)W-CDMA1.616.5Mcps

	250kHz-3GHz
	14313dBm/0.01
SSB	150dBc/Hz typ.
	118dBc/Hz at 1GHz, 20kHz offset
	30MHz()
	20ms

9. Tektronix

AFG3251C





AFG3000 12 128 K 2 2 1  $\pm 1$  ppm

TDS3000/B

- 1mHz240MHz
- 14 2GS/s16K
- 5.6
- 
- 
- AMFMPMFSPWM
- 
- 
- USB USB
- USB2.0 & EtherNet(LAN)& GPIB

## 10. Keithely

2400

/DC5.52400@20W  $\pm 5\mu V$  ( $\pm 1\mu V$ ) ( $\pm 200V$  DC  $\pm 10pA$   $\pm 1ADDQ$ )

- 2400: 10pA10A1 $\mu V$ 1100V20W 1000W
- 4
- 5.50.012%
- 6
- GPIB4.51700/
- 
- 
- I/O
- GPIBRS-232
- TestPoint™ LabVIEW®