KETI-QA
KS A ISO 9000

KAB

DTV Shoulder Mask Measurement

Full Digital synthesizer mode

6.2GHz Spectrum Analyzer

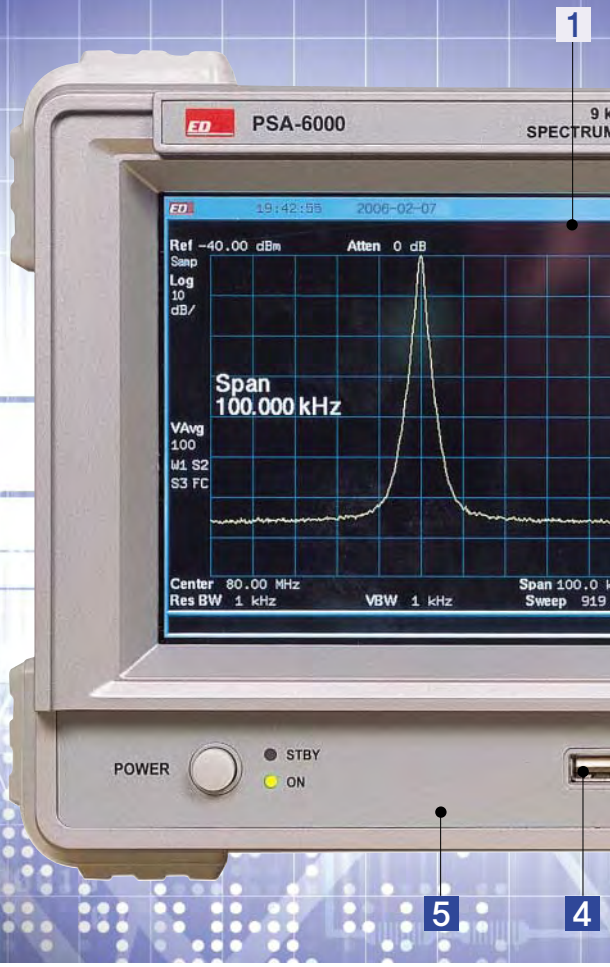
PSA-6000

- High performance digital synthesized RF
- Wide range frequency
- Wide input dynamic range
- Digital mobile(CDMA) Measurement
- Large internal memory space
- 6.4″ Color TFT LCD Display
- Low Cost and High Performance
- USB Host, LAN and more Interfaces

Full Digital synthesizer mode — PSA-6000, 6.2GHz Spectrum Analyzer of wide frequency and dynamic range

The Model PSA-6000 Spectrum Analyzer is a fully synthesized RF Spectrum Analyzer featuring simple user controls which allow the novice or the seasoned expert to use the PSA-6000 right out of box. The PSA-6000 provides you with a powerful RF test and measurement tool for CDMA and WCDMA RF systems, broadcast RF systems, ISM Band, wireless LAN Applications, EMI/EMC.

The features include 6.4″ color display, centronics printer, internal memory, USB host, built in CDMA measurement (ACP, Channel Power and Occupied bandwidth). The PSA-6000 Spectrum Analyzer gives educational institutions, mobile and communication system manufactures and RF product service centers a quality RF test instrument at an unbelievably affordable price.



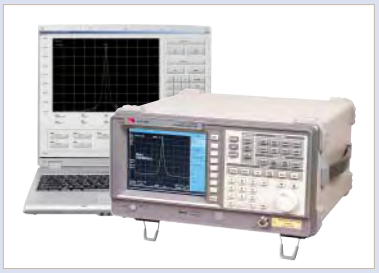
Features

- High-performance digital synthesizer method
- Wide Frequency Coverage : 9 kHz ~ 6.2 GHz
- Superior Resolution : Minimum 1 Hz
- Compact & Portable size
- Wide Input Dynamic Range : -105 ~ 20 dBm
- Ease-of-Use Key Buttons
- CDMA Measurement : ACPR, ACLR, OCBW, Channel Power
- Various and Convenient Interfaces : USB, LAN
- 0.5 ppm high precision reference

■ Various and convenient interfaces

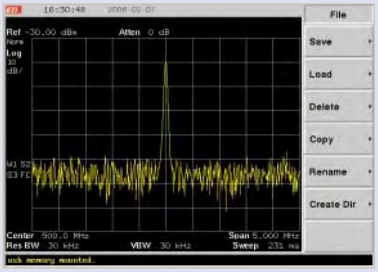
GPIB(Option), LAN(Option), RS-232C, Printer, EXT Trigger REF I/O (10 MHz)

■ Remote Control function



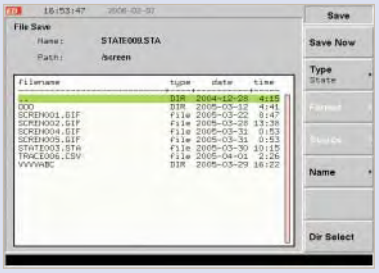
Remote controls the analyzer and manages data thru PC or Internet

■Auto Set function



Automatically displays and sets maximum signal trace

■ Save / Recall function



Saves and manages measurement trace and its state in the internal memory

PSA 6000
6.2GHz Spectrum Analyzer

1 High definition 640 × 480 color TFT LCD

High definition color TFT LCD enables high precision measurement and natural data display.

2 Simple and easy to use KEY

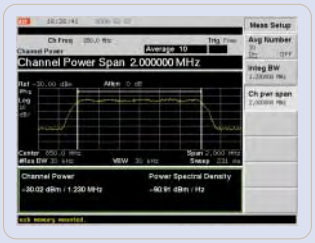
Keys are allocated for user's conveniences so that users can be easily familiar with them. And they provide various functions.

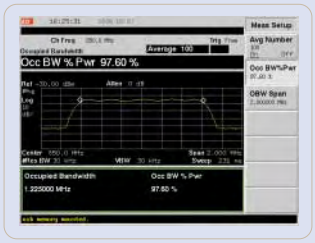
3 CDMA Measurement

· Channel Power (CHP) Measurement :

The PSA-6000 model provides power measurement functions for mobile communication and simple menus. Measured values are automatically displayed at the bottom of trace.

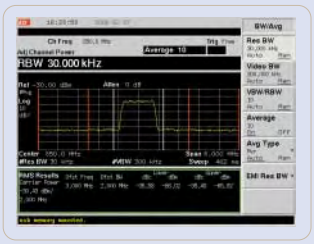
· OBW Measurement : Measures the Occupied Bandwith(OBW) of modulation signal in the unit of %.





· ACP Measurement :

Measures the influence of transmitted power on the Adjacent Channel, or the ratio of power to the Adjacent Channel throughout the mobile communication system using multi-channel.



4 USB Interface

- Can store measured data into the USB Memory through its built-in USB Host that supports USB 1.1 and USB 2.0(GIF Format).
- Can convert measured data to MS Excel as it also supports the CSV file format.
- Supports nearly all types of printers such as Centronics printer and USB Interface printer.
- Firmware can be upgraded through USB by clicking on our website, http://www.ed.co.kr.

5 Large Internal Memory Space

- Waveform : stores maximum 900 waveforms
- State: stores maximum 3,000 states
- Easily stores/calls waveforms and states of the equipment based on various types of application and usage

6.2GHz Spectrum Analyzer

Full Digital synthesizer mode

Specifications

Frequency	Range	9 kHz to 6.2 GHz	
	Resolution	Minimum 1 Hz	
	Span Range	100 Hz/div to 600 MHz/div	
		1,2,5steps Selection(Automatic), ZERO Span, FULL Span (9 kHz to 6.2 GHz)	
	Frequency Selection	Start, Stop, Center Span Setup	
	Span Accuracy	±3% of the Indicated Span Width	
	Readout Accuracy	≤±(Indicated frequency X reference frequency accuracy + span X span accuracy + 50% of RBW)	
	Phase Noise	≤ −90 dBc/Hz @10 kHz offset	
Amplitude	Range	+ 20 dBm ~ −105 dBm	
	Average Noise Level (1 kHz RBW, 10 Hz VBW)	≤ −105 dBm	150 kHz ~ 2.7 GHz
		≤ −100 dBm	2.7 GHz ~ 6.2 GHz
	Amplitude Unit	dBm, dBmV, dBμV, V, mV, μV, W, mW, μW	
	Display Scale	≤ ±1.5 dB / 70 dB (10 dB / div), ≤ ±1.5 dB / 40 dB (5 dB / div)	
	Linearity	≤ ±0.5 dB / 8 dB (1 dB / div), ≤ ±0.5 dB / 16 dB (2 dB / div)	
	Frequency Response (Based on 0dB atten)	−3.5~1.5 dB(100 kHz ~ 10 MHz)	
		±1.5 dB (10 MHz ~ 6.2 GHz)	
	Reference Level	Range	20 dBm ~ −90 dBm
		Resolution	0.1 dB
		Accuracy	±1.5 dB
	2nd Harmonic Distortion	≤ −60 dBc, −40 dBm input	
	Intermodulation Distortion	≤ −70 dBc, −40 dBm Input	
	Residual Spurious	≤ −85 dBm (Input terminated, 0 dB attenuation)	
	Other Input Spurious	≤ −60 dBc, −30 dBm Input	
	Resolution Bandwidth	Selections	1 kHz, 3 kHz, 10 kHz, 30 kHz, 100 kHz, 300 kHz, 1 MHz, 3 MHz, 9 kHz, 120 kHz
		Accuracy	±20%
		Selectivity	60 dB / 3 dB ratio 〈15 : 1
			60 dB / 6 dB ratio 〈12 : 1 (9 kHz, 120 kHz)
		Switching Error	≤ ±1.0 dB (1 kHz Reference RBW)
	Video Bandwidth	10 Hz to 3 MHz in 1-3-10 step	
SWEEP	Rate	100 ms to 1000 sec, 40 ms to 1000 sec (Zero span)	
	Accuracy	≤ ±20%	
	Trigger Source	External(rear), Video, Free run, Line	
	Trigger Modes	Continuous, Single	
	Trigger Level	TTL level	
Screen Display	Type	6.4″ Color TFT LCD	
	Display Resolution	640(H)×480(V) active display area	
	Marker Modes	Peak search, Delta marker, Marker to Center	
		Marker to Reference (8 markers maximum)	
Input	RF Input Connector	N type Female, 50 ohm nominal	
	VSWR	150 kHz ~ 3.0 GHz ; VSWR 〈 1.5 : 1 (0 dBm Ref Level)	
		3.0 GHz ~ 6.2 GHz ; VSWR 〈 2 : 1 (with 0 dBm Ref Level), typical 〈 1.5 : 1	
	Maximum Input Level	0 VDC, +20 dBm	
Memory	Trace Storage	Maximum 900 waveforms	
	Setup Storage	Maximum 3000 states	

Standard (10MHz, Ref.)	Temperature Stability	± 0.5 ppm	
	Aging	± 0.5 ppm / Year	
	Connector	BNC female	
	Input Level	−5 dBm to +15 dBm	
	Output Level	10 MHz, +8 dBm nominal	
Interface	RS-232C	Null Modem for Remote Control	
	Printer	Driver	PCL Command, HP, EPSON, Laser-Jet, Desk-Jet
		Connector	Standard 25 pin female D-Sub using parallel connector
	USB Host	Printer Driver	PCL Command, HP, EPSON, Laser-Jet, Desk-Jet
		USB Storage Device	Supports 1.1 and 2.0, image file for storage, GIF format
	Ethernet(Option)	10-Base-T Ethernet	Supports internet remote control
	GPIB Interface(Option)	IEEE 488 bus	
General Specifications	Dimensions	350(W) × 195(H) × 375(D)mm	
	Weight	10 kg	
	Warming up Time	20 minutes for the precision measurement	
	Power	Source Voltage and Frequency	100-240 VAC at 50/60Hz
		Power Consumption	80 watts maximum without option
	Operating Temperature	0 ℃ to 40 ℃	
	Storage Temperature	−20 ℃ to 70 ℃	
	RF Emissions, Immunity	RF emissions	EN 55011, FCC PART15 Section 15.101
		RF Immunity	EN 61326

Options

· GPIB Interface (IEEE 488 Bus)
· ETHERNET Interface ; for Internet Remote Control
· SOFT CARRYING CASE
· General KIT SET
· CATV KIT SET

· Our product specifications may change in our efforts based on New Technology