



- Low Noise Floor(-117dBm@1GHz, 3k RBW)
- Autoset Function
- Sequence Programming Functions
- ACPR, OCBW, Channel Power, N-dB and Phase Noise Measurements
- Pass/Fail Test with Limit Line Editing
- 5 Markers with  $\Delta$  Marker
- Peak & Sorting
- Split Windows Allow Separate Settings
- AC/DC/Battery Multi-Mode Power Operation
- USB/RS-232C/GPIB(Optional) Interface
- Direct VGA Output
- 6.4" TFT Color LCD, Resolution: 640x480
- Compact Size,330(W)x170(H)x340(D)mm
- Light Weight of 6kg Without Options
- Optional Tracking Generator

Frequency Range	9kHz ~ 3GHz
Aging Rate	$\pm 10$ ppm, 0-50°C, 5 ppm/yr
Span Range	2kHz ~ 3GHz in 1-2-5 sequence, full span, zero span
Phase Noise	-80dBc/Hz @1GHz , 20kHz offset typical
Sweep Time Range	50ms ~ 25.6s
RBW Range	3kHz, 30kHz, 300kHz, 4MHz
RBW Accuracy	15%
Video Bandwidth Range	10Hz ~ 1MHz in 1-3 steps
Measurement Range	-103dBm ~ +20dBm, 1 MHz ~ 15MHz , Ref. Level $\geq$ -30dBm -120 $\pm$ 1 dBm ~ +20dBm, 15MHz ~ 600MHz, Ref. Level @ -50dBm -117 $\pm$ -1dBm ~ +20dBm, 600MHz ~ 2.3GHz, Ref. Level @ -50dBm -115 $\pm$ 1 dBm ~ +20dBm, 2.3GHz ~ 3GHz
Overload Protection	+30dBm, 25VDC
Reference Level Range	-110dBm ~ +20dBm
Accuracy	$\pm 1$ dB @100MHz
Frequency Flatness	$\pm 1$ dB
Display Range Linearity	$\pm 1$ dB over 70dB
Average Noise Floor	-135dBm/Hz, 1MHz ~ 15MHz , Ref. Level $\geq$ -30dBm -152 $\pm$ 1 dBm/Hz, 15MHz ~ 600MHz, Ref. Level @ -50dBm -149 $\pm$ 1 dBm/Hz, 600MHz ~ 2.3GHz, Ref. Level @ -50dBm -147 $\pm$ 1 dBm/Hz, 2.3GHz ~ 3GHz
Third Inter-Modulation	< -70dBc @ -40dBm Input , Ref. Level @ -30dBm
Harmonic Distortion	< -60dBc RF Input < -40dBm, Ref. Level @ -30dBm
Non-Harmonic Spurious	< -110dBm @ 3kHz RBW
Display	640 x 480 high resolution color TFT LCD
Internal Memory	10 Traces , 10 Setup info , 10 Limit lines , 5 Corrections , 10 Sequences
Markers	10 Markers for peaks; 5 normal-delta marker pairs ; Functions: Delta , Peak , Marker Track
Trace Detection	3 traces with Peak, Maximum hold, Freeze, Average and Trace math
Power Measurement	ACPR, OCBW, Channel power, N dB BW, and Phase jitter
Autoset Function	Auto tuning the measurement result for observation
Sequence	Automated test by user-defined macros without any remote control
RF-Input	Type: N female, 50 $\Omega$ nominal ; RF input VSWR: <2 : 1 @ 0dBm Ref. Level
External Reference	Type: BNC female,
Clock Input	1M, 1.544M, 2.048M, 5M, 10M, 10.24M, 13M, 15.36M, 15.4M, 19.2M
External Trigger Input	Type: BNC female, accept +5-V TTL signal
Reference Clock Output	Type: BNC female, 10MHz
DC Input	Jack: 5.5mm, 12V
RS-232C	Sub-D 9 pins female
USB Connector	Front panel: type A receptacle ; Rear panel: type mini-B receptacle
DC Voltage Output Terminal	Type: SMB male, outputs +9V/100mA max.
AC 100 ~ 240V, 50/60Hz	
Power cord x 1 , User manual x 1	
330(W) x 170(H) x 340(D) mm, Approx. 6kg	

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