

### Antenna Feeder Spectrum Tester

· 7-inch super screen · 8-hour long battery life · five-module function

CLINDFAGLDSJHGONDSGHHASSEPRASEPTALSDYNKSSEPHEDM, GBDPFAKFSALDH-FAKUSDHFOSLDH MIT ZERLIDFOKFSEPSAGAFERHI OSLAGAF SENICK DESCHENDISEF KANSOFERICKNOOPHILIDFALDGAT SONGLYNMINASTHYNDISE KANDE KOHCHEDEL LIJFES GALMER DE ÖVERHEIME BOSED ASM SEPJAKENS VANGAS SERJAMER SCHENWEN VANGAS SENICE.



100 series feeder spectrum tester is to test the standing wave ratio of base station antenna and feeder and matching and cable loss and fault location for long distances, able to quickly assess the status of the transmission line and the antenna system, speed up the installation and debugging of the new base station need time. 100 series 1 MHZ ~ 6 GHZ ultra wide test frequency range, 60 db large dynamic range, a variety of options to function is widely used in 2 g / 3 g / 4 g / 5 g/WLAN/WiFi/WiMAX system under test. CAA - 100 series 7 inches large touch-screen design, eight hours long battery life, a great user experience. The 100 series is a new generation of wireless network construction, upgrades, maintenance, indispensable measuring tool.

# Product features six big advantage

Product function

- 25 MHZ ~ 4 GHZ, widely used in 2 g / 3 g / 4 g/WiMAX system under test
- 60 db large dynamic range
- Limit line/marker/trace intelligent judgment function such as curve operation
- Eight hours long battery life
- 7 inches color LCD touch screen display
- Powerful instrument batch file management functions such as edit/delete/filter

### Support the five kinds of measurement mode

FIVE MEASUREMENT MODES ARE SUPPORTED

Support the fault distance return loss, fault distance standing wave ratio, frequency return loss, the frequency of standing wave ratio and five kinds of cable loss measurement mode, main interface beautifully designed, user operation is convenient.



## Can be equipped with a variety of options

VARIOUS OPTIONS ARE AVAILABLE

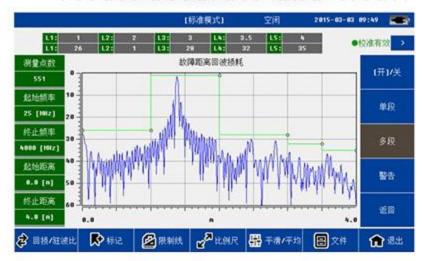
USB type, high precision power meter probe can connect the instrument not only realize testing and display of power, and can be connected to PC terminal alone, implement test according to the results and analysis, greatly satisfy the customer demand in many aspects. Power meter terminal type, through type spectrum power meter can clearly to a variety of signal measurement, meet the demand of different levels.



## Test curve of intelligence analysis and judgment

VARIOUS OPTIONS ARE AVAILABLE

Support for testing curve for single andmultiple limit line, mark line and curve analysis, the result accurate and clear.



## Convenient and precise calibration method

VARIOUS OPTIONS ARE AVAILABLE

Tdesign, single port calibration, convenient accurate.

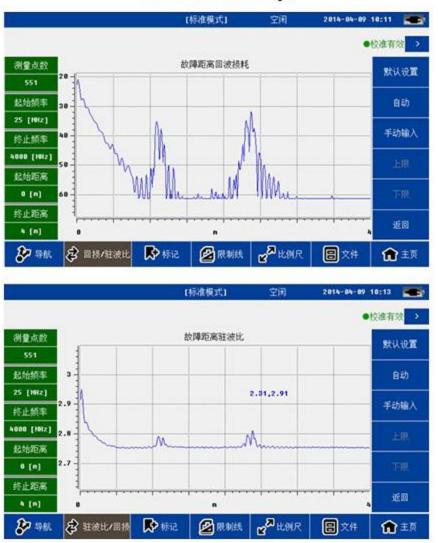
And don't need to recalibrate when the scanning after calibration points down, increasing the efficiency of customer's site usage greatly



### Return loss/standing wave ratio switch immediately

VARIOUS OPTIONS ARE AVAILABLE

Can test return loss and standing wave ratio, at the same time and switch by clicking on the observation results, greatly improve the work efficiency.



### Can realize batch processing test files

VARIOUS OPTIONS ARE AVAILABLE

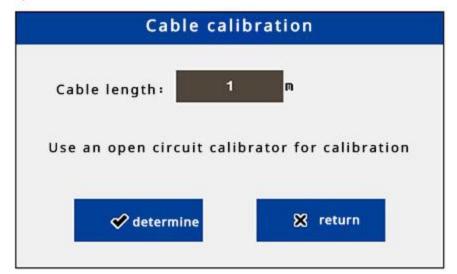
Instrument with a file filter function, can easily implement batch editing, analysis, and save the test files, effectively improve the efficiency.

	文件管理	
文件类型。全部	拷贝到外部存储器	
外置存储器 内置存储器	1	
1 [ Calfile_25_4000_551_20150301	098452.csv	9
2 DataFile_CableRL_25_4000_551	_28150381090527.csv	
3 🖹 DataFile_DTF_25_4000_551_2015	50301090457.csv	
4 🖹 DataFile_FreqRL_25_4000_551_3	20150301090512.csv	
5 DataFile_FreqUSWR_25_4000_55	1_20150301090519.csv	
6 DataFile_USWR_25_4000_551_20	158381898584.csv	
7 ImageFile_CableRL_25_4000_55	1_28158381898538.jpg	
8 MageFile_DTF_25_4000_551_20	15@3@1@9@459.jpg	
9 ImageFile_FreqRL_25_4000_551		
AN III Impacita Cuanticum or boss re		
全也	用倾水	
	金 進出	
	****	
	文件过滤	
文件类型		
<ul><li>故障距离回波损耗</li></ul>	○ 校准文件	
<ul><li>故障距离驻波比</li></ul>	◎ 图像文件	
<ul><li>頻率回波損耗</li></ul>	● Tpe劢率计文件	
◎ 頻率驻波比	<ul><li>全部</li></ul>	
○ 电线损耗		
自定义关键词		
	☆ 近回	

## Support The Field Calibration And Get The Cable Parameters

VARIOUS OPTIONS ARE AVAILABLE

Users can manually input cable parameters (propagation speed; Cable loss) or select the known cable type, or if you do not know the cable information and parameters, you can use the existing cable on hand, using the system's built-in "cable calibration" tool to get accurate cable parameters. Provide convenience for field testing.cable system at using tools to get accurate parameters of cable. Provide convenient for field test.



# Support manual set frequency and select the default frequency

VARIOUS OPTIONS ARE AVAILABLE

The user can according to the test requirements for "signal to select the default standard" or "custom" frequency.



# And select the default frequency support manually

VARIOUS OPTIONS ARE AVAILABLE

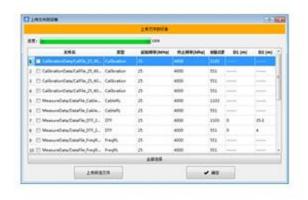
Adopts the design of low power consumption, high capacity rechargeable lithium battery and AC configurator dual power supply, Eight hours long working hours, and four display modes can be set up shortcut keys: Ordinary, black and white, high-lighting, and night vision, suitable for use under different environment. With convenient backlight management, fan management, power management, and other functions, Easy operation, energy conservation and environmental protection.

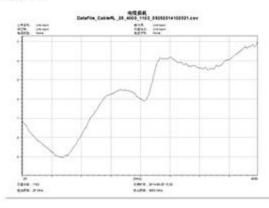
## Powerful PC analysis software

VARIOUS OPTIONS ARE AVAILABLE

#### Data management function

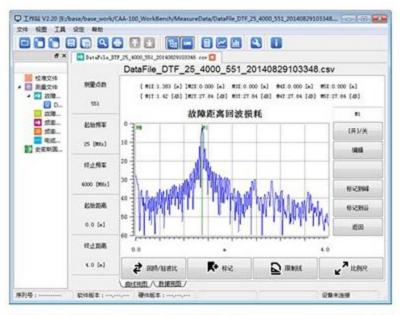
File transfer and host, including from the host to upload the file to the workstation/download files to the host and the PC for interaction, including open the local file/save the file to the local support report print preview and print, and can fully display the name of the company, Test parameters, such as measuring time information

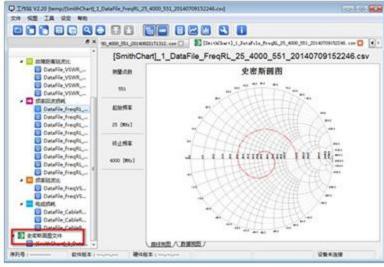


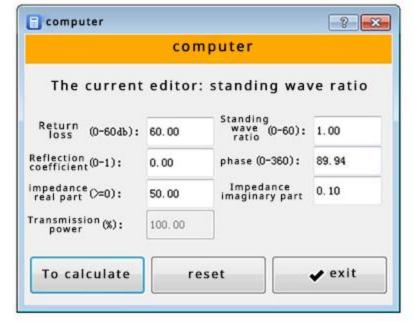


### The application tool function

DISTANCE-TO-FAULT function
is transformed into function of Smith chart
The calculator
Signal standard editor





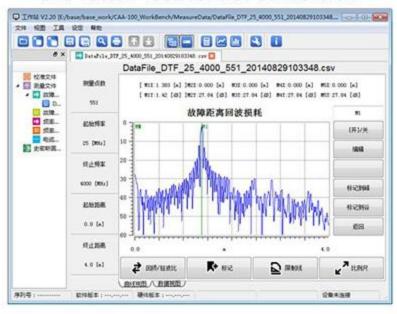


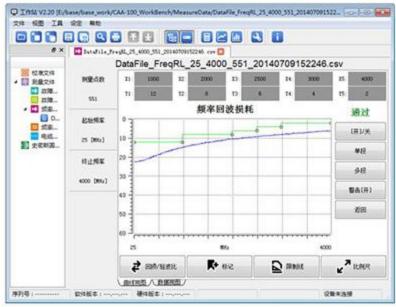




### Data analysis function

Support marker
Support the limit line
Support the function of scale
Support the standing wave ratio
and return loss format conversion





### Technical indicators

VARIOUS OPTIONS ARE AVAILABLE

#### Technical indicators

model	100L	
The frequency range	25~4000MHz	
The frequency resolution	100kHz	
Precision of frequency	+/-25ppm	
Output level	OdBm (typical)	
measurement speed	3. 5 ms/point	
Measuring points	137, 251, 551, 1103	
Anti-interference ability		
frequency	-5dBm	
Channel	+17dBm	
directional	42dB After (calibration)	
Return loss		
Scope of return loss	0,e09B	
Return loss resolution	0.01dB	
Standing wave ratio		
Standing wave ratio range	1~65	
Standing wave ratio resolution	0.01	
Cable loss		
Cable loss range	0~30dB	
the cable loss of resolution	0.01dB	
DTF		
Echo loss range	0,5048	

Echo loss range	OBOAD
Standing wave ratio range	1~65dB
Distance range	1500m
resolution ratio	1.5*10^8*Vp/(F2-F1) Vp:cable transmission speed;F1,F2:beginning and cut-off frequency
Measuring points	137, 251, 551, 1103

Universal index	
Connector type	N-type negative head
Input impedance	50 ohms
display	7 inch resistive touch screen with 800*480 resolution
Data interface	1 USB Host port, 1 USB Device port, One 10M/100M adaptive LAN
Storage space	>2000 curves
language	Chinese, English
Built-in battery	11.1V 7800Mah lithium rechargeable battery
External adapter	110 to 240 50 to 60Hz AC input, 16V 3.75A DC output
Operating temperature	-10℃~ 50℃
Storage temperature	-40℃~ 70℃
Relative humidity	0~85% (no condensation)
weight	2.5kg (net weight)
(length × width × height)	290X175X75 nn

Frequency range	50~4000MHz	
Power range	-40~20 dBm	
Maximum tolerable power	<23 dBm	
Test accuracy	<= +/-0.3db (15~35°C) <= +/-0.5dB(0~50°C)	
Input standing wave ratio	<1.2	
Burst width	lus~60ms	
Minimum test cycle	15Hz	
Video bandwidth	5MHz	
Minimum pulse Width	200ns	
time resolution	Fourth gear: 0.1us, 1us, 15us, 150us	
Modulating signal peak-to-average ratio	<12dB	
CCDF test range	0.1% ~ 100%	
CCDF test accuracy	± 3%	
Burst signal duty cycle	0.1% ~ 100%	
Power supply mode	USB	
Operating temperature	0°C ~ 50°C	
Storage temperature	-20°C ~ 70°C	
Relative humidity	0~85%	
weight	0. 3kg	

105(125)×45×35mm

Comply with EMC standard

Meets standard MIL-PRF-28800F class 3

GB/T 18268-2000

(length × width × height)

Anti-vibration characteristic

Electromagnetic compatibility characteristic

SPI module (op	tion) - through the type spectrum power meter
Frequency range	400MHz ~ 4000MHz
Return loss	0~23dB
Maximum input power	57dBm
Enter the standing wave ratio	<1.1
Insertion loss	≤0.1dB
directional	≥30 dB(<3GHz); ≥28 dB(>3GHz)
Working mode	Three working modes are available: full sweep width, arbitrary sweep width, and zero sweep width
Sweep, frequency	scan parameters (full width, any nonzero sweep width)
Filter bandwidth	20M/300K Two optional
Sweep number	The biggest support 551 points
Frequency measurement resolution	100KHz
Power range	10~57dBm
Width of sweep power	er measurement (zero)
Power range	mean value 100m\"200\ or 20~53dBm
	peak 100mW~500W or 20~57dBm
Peak than	<12dB
CCDF	0.1 ~ 100%
Power resolution	±0.01 dBm
Sweep width power precision (zero)	±0.5dB
Sudden signal measu	urement parameters
Burst breadth	30us ~ 100ms
Sampling rate	300K/30K/5K Three optional
Duty ratio	0.001-1
Sudden average power	100mW~200W or 20~53dBm
Other	
PC interface	USB/RS-232
The radio frequency interface	Power supply mode
The power supply mode	USB power supply: 5V,500mA
The machine power consumption	≤ 2₩
Working temperature	-20℃ to 50℃
Keep the temperature	-20℃ to 70℃
Relative humidity	0 to 95% Dew free 490g
weight	490g
Volume (length × width × height)	130 (95)×124×34mm

#### Ordering information

Standard configuration

Host, Lithium battery, AC adapter,CD(PC software, instruction manual), convenient pack, OSL calibration kit.

Optional configuration

TPM - Terminal RF power meter DPM module - pass through RF power meter ECAL electronic calibration parts.