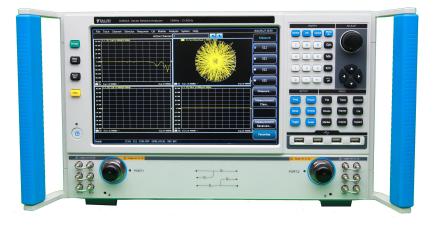
(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)



### **Key Features**

- Frequency coverage from 10MHz to 13.5GHz / 26.5GHz
- Flexible Calibration Types, Compatible with many Calibration Parts
- Support Multi-window, multi-channel measurement, instantly execute intricate measurement plan
- Include multiple display formats including logarithmic amplitude, linear range, standing wave, phase, group delay, smith circle map, polar coordinates
- Support USB, GPIB, LAN, VGA
- 12.1 inch high resolution touch screen
- Record / Run, one button operation to simplify measurement setup procedures and improve the working efficiency
- Provide functions including pulse S parameter measurement, time domain measurement, mixer measurement, 2 dimensional measurement of gain compression, millimeter wave spread spectrum, antenna and RCS measurement reception.

### **Typical Applications**

- Mixer Test
- Filter Test
- Integrated Pulse S Parameter Test





(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)

S3602 Series VNA Products, designed with new hardware architecture, improves impressively many key specifications such as scanning speed, system dynamic range etc. In terms of software, S3602 is equipped with a high-performance embedded computer which runs Windows operation system. It helps S3602 to have a friendly UI and easy to operate.

S3602 Vector Network Analyzer provides many calibration methods including frequency response, single interface, responsive isolation, enhanced response, dual interface and electrical calibration. S3602 has many display formats including logarithmic amplitude, linear range, standing wave, phase, group delay, Smith chart, polar coordinates. S3602 equipped with many standard interfaces including USB, LAN, GPIB, VGA.

Apart from all features of conventional vector analyzer, S3602 is capable of 2D scanning of mixer / inverter and gain compression, and of multi-functional comprehensive parameter test of S Parameter under pulse circumstance, which can precisely measure amplitude-frequency characteristics, phase-frequency characteristics and group-delay characteristics of microwave network.

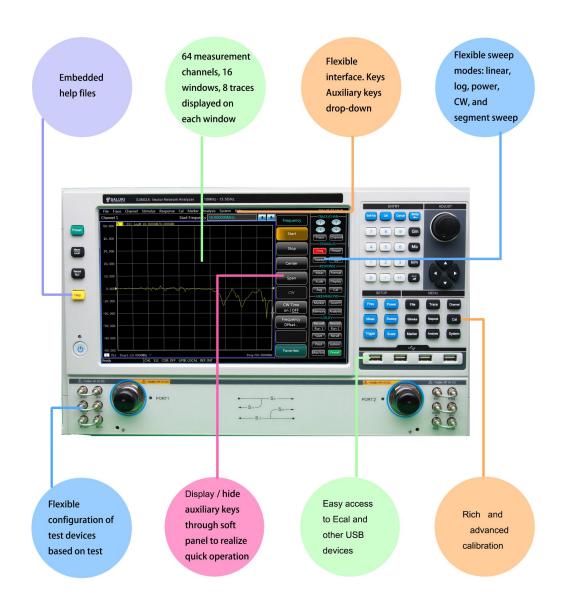
This product can be universally implemented in fields including transmission/reception module measurement, dielectric material property measurement, microwave pulse characteristic measurement and photoelectric property measurement; this analyzer is a necessary tester in the scientific research, production process of systems like radar, communication and navigation.



(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)

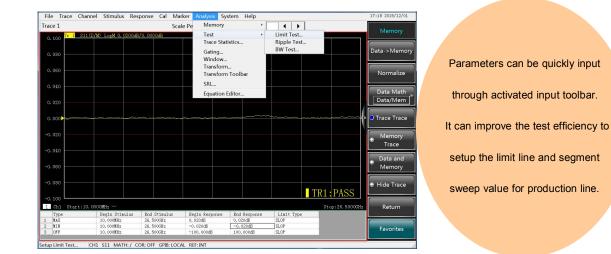
### **Features To Boost Your Efficiency**

Humanized user interface for easy operation, which can improve the efficiency





(Frequency Range: 10MHz – 13.5GHz / 26.5GHz)



File Trace Channel Stimulus Response Cal Ma	arker Analysis System Help 17:19.2	1015/12/01	File Trace Channel Stimulus Response Cal Marker Analysis System Help 17:19 2015/12/01
TRACE/CHAN Frequency Channel 1	Start Frequency 10.000000MHz		Channel 1 Start Frequency 10000000MHz Frequency Frequency Frequency
1 2 Inequency 50.000 Ir	1 S11 LogM 10.0000dB/0.0000dB		50.000 Tr St LogH 10.000088
Trace Channel * Start 40.00	The soft panel can be put on		40.000
Freq Power Stop 30.00	left or right side of the		90.000 Stop Freq Power
	screen. Or it can be hidden		
	for operation convenience.		20.000 Center Siveo Trigger
Meas Format 10.000			10.000
Scale Display Span			Span Scale Display
Avg Cal CW 0.000		WWW A	a.com
MKR/ANALYSIS			
Marker Search CW Time Memory Analysis on   OFF			CW Time Marker Search
			-20.000 on   007 Memory Redgiss
Record Record Offset 80,000			-33.000 Offset Record Record
Run1 Run2			Run1 Run2
Save Recall			-10.00
Print System Favorites 50.000			-50.00
	tart:10.0000MEz - Stop:		1 0.1 Start:10.000Hin -     Stop:28.5000H     Maclue Prest
Ready CH1 S11 COR: OFF GPIB: LOCAL REF: I	NT	R	Ready CHI SII COR OFF GRID: LOCAL REF. INT



(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)



#### Flexible and optional calibration types, compatible with multiple calibration kits

S3602 series vector network analyzer provides multiple calibration types, including guided calibration (smart calibration), unguided calibration (using mechanical calibration kit to conduct through response calibration, through response & isolation calibration, single port calibration, enhanced response calibration, full two-port SOLT calibration, TRL calibration) and electronic calibration (ECal) etc. Users can select coaxial mechanical calibration kits or electronic calibration kit based on test requirements.



(Frequency Range: 10MHz – 13.5GHz / 26.5GHz)

e Trace Channel Stimulus Response Cal I	Marker Analysis Systen	n Help				17:22 2015/12/0
Calibration Type SmartCal(Guided Calibration) C Unguided Calibration(Respone, 1-Port, 2-Port:Us	se Mechanical Standards)					Cal Calibration
C Use Electronic Calibration(ECal)						Correction on   <u>OFF</u>
libration: Start Calibration	🗌 Silence	<back< th=""><th>Next&gt;</th><th>Done</th><th>Cancel</th><th></th></back<>	Next>	Done	Cancel	
000 Tr 2 S11 LogM 10.0000dB/0.0000dB		ï	i.			Interpolatio
						<u>ON</u>   off
000 Cal Window						Port
000						Extensions
000						Fixtures
000						
000	m. m.			-	han	Edit Cal Kit
000						
000						Properties
000						
000						Power Calibratio
000						Calibratio
000						Favorites
Ch1 Start:10.0000MHz -					op:26.5000GHz	Favorites

Open	Save As	Restore Defaults	
nstalled Kits Import Kit	Save As	Insert New	
ID	Nane	Description	
6	AV31121	3.5nn Cal Kit	
7	AV31123	2.4nn Cal Kit	-
8	AV31128	1.85mm Cal Kit	1
9	85032B/E	N-50 Cal Kit	
10	85032F	N-50 Cal Kit	
11	85033E	3.5nn Cal Kit	
12	85056A	2.4nn Cal Kit	
13	85056D	2.4nn Cal Kit	
14	85058B/E	1.85mm Cal Kit	
15	85036	N-75 Cal Kit	
16	85052B	3.5nn Cal Kit	
17	85052D	3.5nn Cal Kit	
18	85054D	N-50 Cal Kit	
10	95054R	N-50 Cal Vi+	18
Edit Kit	Delete	Restore Kit A	V

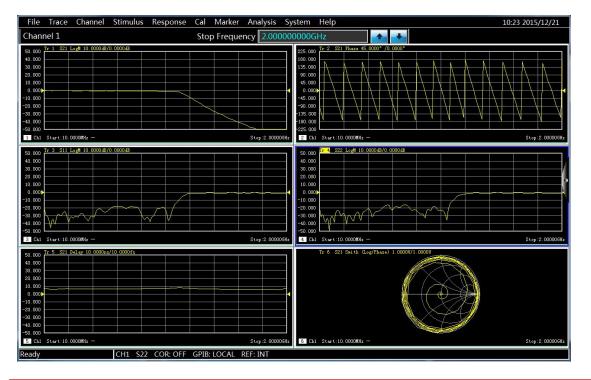
Open	Save As	Restore Defaults	
nstalled Kits Import Kit	Save As	Insert Nev	
ID	Nane	Description	
13	85056D	2.4mm Cal Kit	
14	85058B/E	1.85mm Cal Kit	
15	85036	N-75 Cal Kit	- in
16	85052B	3.5mm Cal Kit	Ξ
17	85052D	3.5mm Cal Kit	
18	85054D	N-50 Cal Kit	
		N-50 Cal Kit	
20	85036B/E	N-75 Cal Kit	
21	85052C	3.5mm Cal Kit	
22	APC 7 TRL	APC 7 TRL Cal Kit	
23	N-75	N-75 Cal Kit	
24	BJ-14	BJ-14 Cal Kit	
25	BJ-22	BJ-22 Cal Kit	
76	RT-90	RT-29 Cal Vi+	10
Edit Kit	Delete	Restore Kit 🛛 🔿	V



(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)

#### Multiple windows to display all measuring channels

The analyzer has function of multi-channel and multi-window display. It supports up to 64 channels. Maximum 16 measuring windows can be simultaneously displayed, and each window can simultaneously display up to 8 testing traces, which makes the observation results more visible and the operation more convenient.



#### 12.1-inch high resolution touch screen

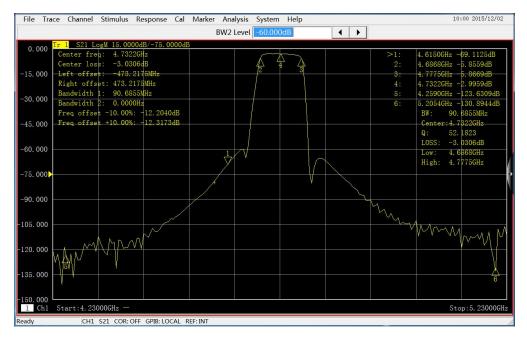
The 12.1-inch touch screen with 1280\*800 resolution has bright and comfortable color, which can make the operation very convenient.



(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)

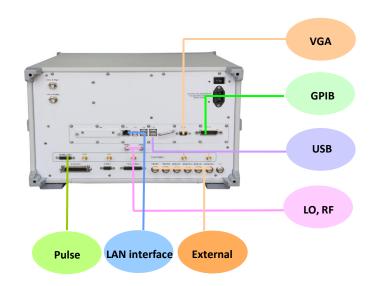
#### Large dynamic range

S3602 series vector network analyzer is designed with the concept of mixer receiving, which effectively extends the dynamic range of the complete machine and meets the test demand for large dynamic range.



# Rich peripheral interfaces, flexible and practical

With new embedded computer module and Windows operation system, S3602 series vector network analyzer realizes the perfect combination of the instrument and PC. Rich I/O interfaces (including GPIB, USB, and LAN etc.) are provided for different data transmission requirements.

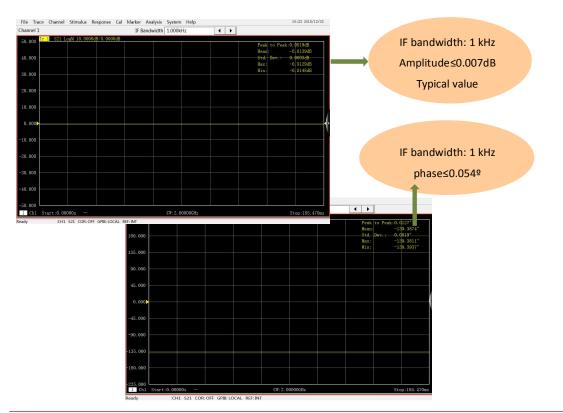




(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)

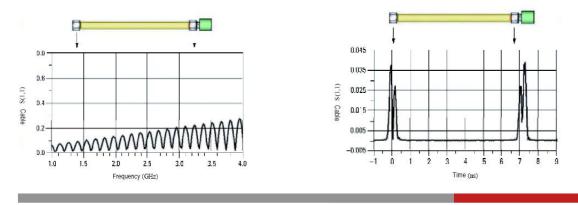
#### Low trace noise, high test accuracy

The excellent performance of S3602 series vector network analyzer in trace noise highly improves its test accuracy so as to meet user's demand for accurate measurement, and it is especially helpful for the accurate measurement of devices with low insertion loss.



#### Time-domain analysis can comprehensively characterize the design

With time-domain options, S3602 series vector network analyzer can realize the switching of measurement results between frequency-domain and time-domain, which can be used to identify the discontinuous points of devices, fixtures or cables to realize accurate fault location.





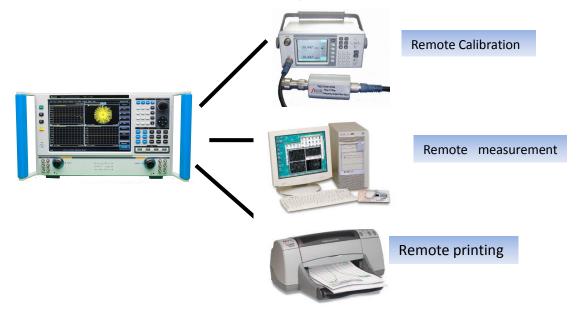
(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)



#### Automatic test

S3602 series vector network analyzer can provide a integrated automatic test solutions including automatic calibration, automatic measurement, automatic reading and automatic printing.

Flexible and multiple control modes are provided through GPIB, LAN, and USB interfaces.





(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)

### **Typical Applications**

#### Mixer test

The 4-port measurement option of S3602 series vector network analyzer has two built-in sources. It can be used to measure scalar and vector parameters of mixers.

#### • Filter test

S3602 series vector network analyzer provides a filter test menu, easy to do any filter test.

#### • Integrated pulse S parameter test

S3602 series vector network analyzer can output pulse modulation signal and can measure pulse network S parameters.

#### • High-speed sweep magnetron test

S3602 series vector network analyzer has high sweep speed. It is capable of magnetron test.



(Frequency Range: 10MHz – 13.5GHz / 26.5GHz)

### Technical Specifications (S3602A / B)

Frequency				
Francisco Denna	S3602A: 10MHz - 13.5GHz			
Frequency Range	S3602B: 10MHz -	26.5GHz		
Frequency Resolution	1Hz			
Frequency Accuracy	±1×10 <sup>-7</sup> (23℃±3℃	2)		
Port Harmonic Suppression				
Port 1,3	51dBc (0.01.4CL	-51dBc(0.01-4GHz, -60dBc(4-13.5GHz), -60dBc(13.5-26.5GHz)		
Harmonic Suppression	-51060 (0.01-401	12, -000BC (4-13.5)	3112), -000BC (13.3	-20.56112)
Port 2,4	12dBa (0.01.4CL	(1, 1)	50Uz) 21dPa (12 6	
Harmonic Suppression	-130BC (0.01-4GF	12),-210BC (4-13.	5GHz),-21dBc(13.8	D-20.0GHZ)
Port non-harmonic	40dBa (0.01.12.5		5-16GHz),-30dBc(16	
Suppression	-400BC(0.01-13.5	GHZ), -400BC(13.3	5-10GH2),-300BC(10	5-20.5GHZ)
Port Power Characteristics				
Power Sweep Range	30dB~(10-500MHz) , $32dB~(0.5-4GHz)$ , $38dB~(4-10GHz)$			z)
rower Sweep Kange	37dB(10-13.5GHz), 35dB(13.5-20GHz), 23dB(20-26.5GHz)			6.5GHz)
	Frequency range	Port 1,3	Port 1,3	Port 2, 4
		Filtering mode	High-power mode	1 011 2, 4
	10 - 50MHz	+1dBm	+9dBm	+13dBm
Output Power	0.05 - 4GHz	0dBm	+6dBm	+13dBm
	4 - 10GHz	+13dBm		+10dBm
	10 - 13.5GHz	+8	dBm	+8dBm
	13.5 - 20GHz	+6	dBm	+5dBm
	20 - 26.5GHz +2dBm +0d		+0dBm	
1dB Compression Level	+10dBm (0.01 - 13.5GHz) , +10dBm (13.5 - 16GHz)			
	+2dBm (16 - 26.5GHz)			
Power Linearity (23℃±3℃)	Power Linearity (23°C±3°C) ±2.0dB			
	Pulse Characteristics			
Pulse Width Setting Range	33ns - 60s			
Pulse transition time	30ns (10%-90%	<sub>0</sub> )		



(Frequency Range: 10MHz – 13.5GHz / 26.5GHz)

Network Parameter Characteristics       90dB (10-50MHz), 95dB (0.05-0.5GHz), 120dB (0.5-4GHz)       127dB (4-10GHz), 120dB (10-13.5GHz), 120dB (13.5-20.5Hz)       Effective Directionality     48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Effective Source Match     40dB (0.01-2GHz), 30dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Payload Match     48dB (0.01-2GHz), 44dB (2-13.5GHz), 30dB (13.5-26.5GHz)       Payload Match     48dB (0.01-2GHz), 44dB (2-13.5GHz), 40dB (13.5-26.5GHz)       Reflection Tracking     ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Other     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5GHz)       Brms (1kHz IF bandwidth)     0.005 (22.5-24GHz), 0.005 (24-26.5GHz)       Phase Noise Trace     0.0051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display     0.001dB/div       Resolution     0.001'dB/div       Phase display Resolution     0.01'div       Amplitude Reference Level     -500 ~ +5000'B       Set Required Value     -500 ~ +500'S       Phase Reference Level Set Required Value     -500 ~ +500'S       Por				
System Dynamic Range     90dB (10-50MHz), 95dB (0.05-0.5GHz), 120dB (0.5-4GHz)       127dB (4-10GHz), 120dB (10-13.5GHz), 120dB (13.5-20GHz)     115dB (20-24GHz), 110dB (24-26.5GHz)       Effective Directionality     48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Effective Source Match     40dB (0.01-2GHz), 30dB (2-13.5GHz), 30dB (13.5-26.5GHz)       Payload Match     48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Reflection Tracking     ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Reflection Tracking     ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.014dB(2-13.5GHz), ±0.02dB(13.5-26.5GHz)       Match     48dB (0.01-2GHz), ±0.014dB(2-13.5GHz), ±0.02dB(13.5-26.5GHz)       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.11dB(2-13.5GHz), 0.002 (13.5-22.5GHz)       Match     0.007 (10-100MHz), 0.005 (24-26.5GHz)       Phase Noise Trace     0.0051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.002 (13.5-22.5GHz)       deg rms (1kHz IF bandwidth)     0.054 (22.5-24GHz), 0.054 (24-26.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display     0.001dB/div       Resolution     0.01°/div       Phase display Resolution     0.01°/div       Amplitude Reference Lev	Pulse off ratio	64dB (0.01-4GHz), 80dB (4-13.5GHz), 80dB (13.5-26.5GHz)		
System Dynamic Range     127dB (4-10GHz), 120dB (10-13.5GHz), 120dB (13.5-20GHz)       Effective Directionality     48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Effective Source Match     40dB (0.01-2GHz), 30dB (2-13.5GHz), 30dB (13.5-26.5GHz)       Payload Match     48dB (0.01-2GHz), 44dB (2-13.5GHz), 30dB (13.5-26.5GHz)       Payload Match     48dB (0.01-2GHz), 40dB (2-13.5GHz), 40dB (13.5-26.5GHz)       Reflection Tracking     ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Other     Other       Amplitude Trace Noise     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5GHz)       Germs (1kHz IF bandwidth)     0.003 (22.5-24GHz), 0.005 (24-26.5GHz)       Phase Noise Trace     0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5GHz)       deg rms (1kHz IF bandwidth)     0.054 (22.5-24GHz), 0.054 (24-26.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display     0.001dB/div       Resolution     0.01°/div       Amplitude Reference Level     -500 ~ +5000 <sup>G</sup> Set Required Value     -500 ~ +500°       Phase Reference Level Set     -500 ~ +500°       Required Value <td< th=""><th colspan="4">Network Parameter Characteristics</th></td<>	Network Parameter Characteristics			
115dB (20-24GHz), 110dB (24-26.5GHz)     Effective Directionality   48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)     Effective Source Match   40dB (0.01-2GHz), 30dB (2-13.5GHz), 30dB (13.5-26.5GHz)     Payload Match   48dB (0.01-2GHz), 44dB (2-13.5GHz), 30dB (13.5-26.5GHz)     Payload Match   48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)     Reflection Tracking   ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)     Transmission Tracking   ±0.10dB(0.01-2GHz), ±0.11dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)     Maplitude Trace Noise   0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5GHz)     dB rms (1kHz IF bandwidth)   0.0051 (10-100MHz), 0.005 (24-26.5GHz)     Phase Noise Trace   0.051 (10-100MHz), 0.054 (24-26.5GHz)     dg rms (1kHz IF bandwidth)   0.054 (22.5-24GHz), 0.054 (24-26.5GHz)     IF Bandwidth   1Hz - 5MHz     Amplitude Display   0.001dB/div     Resolution   0.01°/div     Amplitude Reference Level   -500 ~ +500dB     Set Required Value   -500 ~ +500°     Phase Reference Level Set   -500 ~ +500°     Required Value   3.5mm (M), 50 Ω systematic impedance		90dB(10-50MHz), 95dB(0.05-0.5GHz),120dB(0.5-4GHz)		
Effective Directionality     48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Effective Source Match     40dB (0.01-2GHz), 30dB (2-13.5GHz), 30dB (13.5-26.5GHz)       Payload Match     48dB (0.01-2GHz), 44dB (2-13.5GHz), 30dB (13.5-26.5GHz)       Reflection Tracking     ±0.04dB(0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Transmission Tracking     ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.11dB(2-13.5GHz), ±0.12dB(13.5-26.5GHz)       Other     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), ±0.12dB(13.5-26.5GHz)       Base Noise Trace     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5GHz)       Phase Noise Trace     0.051 (10-100MHz), 0.005 (24-26.5GHz)       Outst     0.054 (22.5-24GHz), 0.054 (24-26.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display     0.001dB/div       Resolution     0.01°/div       Phase display Resolution     0.01°/div       Amplitude Reference Level     -500 ~ +500dB       Set Required Value     -500 ~ +500°       Phase Reference Level Set     Required Value       Port Connector Type     3.5mm (M), 50 Ω systematic impedance	System Dynamic Range	127dB $(\mbox{4-10GHz})$ , 120dB $(\mbox{10-13.5GHz})$ , 120dB $(\mbox{13.5-20GHz})$		
Effective Source Match     40dB (0.01-2GHz), 30dB (2-13.5GHz), 30dB (13.5-26.5GHz)       Payload Match     48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Reflection Tracking     ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5GHz)       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.11dB(2-13.5GHz), ±0.12dB(13.5-26.5GHz)       Other     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5GHz)       Base Noise Trace     0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.002 (13.5-22.5GHz)       Phase Noise Trace     0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display     0.054 (22.5-24GHz), 0.054 (24-26.5GHz)       Resolution     0.001dB/div       Phase display Resolution     0.01°/div       Amplitude Reference Level     -500 ~ +500dB       Set Required Value     -500 ~ +500°       Phase Reference Level Set     -500 ~ +500°       Required Value     3.5mm (M), 50 Ω systematic impedance		115dB (20-24GHz), 110dB (24-26.5GHz)		
Payload Match     48dB (0.01-2GHz), 44dB (2-13.5GHz), 44dB (13.5-26.5GHz)       Reflection Tracking     ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5G       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.11dB(2-13.5GHz), ±0.12dB(13.5-26.5G       Other     Other       Amplitude Trace Noise     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5G       dB rms (1kHz IF bandwidth)     0.003 (22.5-24GHz), 0.005 (24-26.5GHz)       Phase Noise Trace     0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5G       deg rms (1kHz IF bandwidth)     0.054 (22.5-24GHz), 0.054 (24-26.5GHz)       Phase Noise Trace     0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5G       deg rms (1kHz IF bandwidth)     0.054 (22.5-24GHz), 0.054 (24-26.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display     0.001dB/div       Resolution     0.01°/div       Amplitude Reference Level     -500 ~ +500°B       Set Required Value     -500 ~ +500°       Phase Reference Level Set     -500 ~ +500°       Required Value     3.5mm (M), 50 Ω systematic impedance	Effective Directionality	$48dB\;(0.01\text{-}2GHz)$ , $44dB\;(2\text{-}13.5GHz)$ , $44dB\;(13.5\text{-}26.5GHz)$		
Reflection Tracking     ±0.04dB(0.01-2GHz), ±0.04dB(2-13.5GHz), ±0.05dB(13.5-26.5G       Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.11dB(2-13.5GHz), ±0.12dB(13.5-26.5G       Other     Other       Amplitude Trace Noise     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5G       dB rms (1kHz IF bandwidth)     0.003 (22.5-24GHz), 0.005 (24-26.5GHz)       Phase Noise Trace     0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5G       deg rms (1kHz IF bandwidth)     0.054 (22.5-24GHz), 0.054 (24-26.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display     0.001dB/div       Resolution     0.01°/div       Phase display Resolution     0.01°/div       Amplitude Reference Level Set Required Value     -500 ~ +500dB       Phase Reference Level Set Required Value     -500 ~ +500°       Port Connector Type     3.5mm (M), 50 Ω systematic impedance	Effective Source Match	40dB (0.01-2GHz) , 30dB (2-13.5GHz) , 30dB (13.5-26.5GHz)		
Transmission Tracking     ±0.10dB(0.01-2GHz), ±0.11dB(2-13.5GHz), ±0.12dB(13.5-26.5G       Other       Amplitude Trace Noise     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5G       dB rms (1kHz IF bandwidth)     0.003 (22.5-24GHz), 0.005 (24-26.5GHz)       Phase Noise Trace     0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5G       deg rms (1kHz IF bandwidth)     0.054 (22.5-24GHz), 0.054 (24-26.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display     0.001dB/div       Resolution     0.01°/div       Phase display Resolution     0.01°/div       Amplitude Reference Level     -500 ~ +500dB       Set Required Value     -500 ~ +500°       Phase Reference Level Set     Required Value       Phase Reference Level Set     -500 ~ +500°       Required Value     3.5mm (M), 50 Ω systematic impedance	Payload Match	48dB(0.01-2GHz), 44dB(2-13.5GHz), 44dB(13.5-26.5GHz)		
Other       Amplitude Trace Noise     0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5G dB rms (1kHz IF bandwidth)       0.003 (22.5-24GHz), 0.005 (24-26.5GHz)       Phase Noise Trace     0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5G deg rms (1kHz IF bandwidth)       0.054 (22.5-24GHz), 0.0054 (24-26.5GHz)       IF Bandwidth     1Hz - 5MHz       Amplitude Display Resolution     0.001dB/div       Phase display Resolution     0.01°/div       Amplitude Reference Level Set Required Value     -500 ~ +500dB       Phase Reference Level Set Required Value     -500 ~ +500°       Port Connector Type     3.5mm (M), 50 Ω systematic impedance	Reflection Tracking	$\pm 0.04 dB (0.01\text{-}2GHz), \pm 0.04 dB (2\text{-}13.5GHz), \pm 0.05 dB (13.5\text{-}26.5GHz)$		
Amplitude Trace Noise   0.007 (10-100MHz), 0.002 (0.1-13.5GHz), 0.002 (13.5-22.5G     dB rms (1kHz IF bandwidth)   0.003 (22.5-24GHz), 0.005 (24-26.5GHz)     Phase Noise Trace   0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5G     deg rms (1kHz IF bandwidth)   0.054 (22.5-24GHz), 0.054 (24-26.5GHz)     IF Bandwidth   1Hz - 5MHz     Amplitude Display   0.001dB/div     Resolution   0.01°/div     Amplitude Reference Level   -500 ~ +500dB     Set Required Value   -500 ~ +500°     Phase Reference Level Set   -500 ~ +500°     Required Value   3.5mm (M), 50 Ω systematic impedance	Transmission Tracking	$\pm 0.10 dB(0.01\text{-}2GHz), \pm 0.11 dB(2\text{-}13.5GHz), \pm 0.12 dB(13.5\text{-}26.5GHz)$		
dB rms (1kHz IF bandwidth)   0.003 (22.5-24GHz), 0.005 (24-26.5GHz)     Phase Noise Trace   0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5G     deg rms (1kHz IF bandwidth)   0.054 (22.5-24GHz), 0.054 (24-26.5GHz)     IF Bandwidth   1Hz - 5MHz     Amplitude Display   0.001dB/div     Resolution   0.01°/div     Amplitude Reference Level   -500 ~ +500dB     Set Required Value   -500 ~ +500°     Phase Reference Level Set   -500 ~ +500°     Required Value   3.5mm (M), 50 Ω systematic impedance		Other		
Phase Noise Trace0.051 (10-100MHz), 0.015 (0.1-13.5GHz), 0.042 (13.5-22.5Gdeg rms (1kHz IF bandwidth)0.054 (22.5-24GHz), 0.054 (24-26.5GHz)IF Bandwidth1Hz - 5MHzAmplitude Display Resolution0.001dB/divPhase display Resolution0.01°/divAmplitude Reference Level Set Required Value-500 ~ +500dBPhase Reference Level Set Required Value-500 ~ +500°Port Connector Type3.5mm (M), 50 Ω systematic impedance	Amplitude Trace Noise	0.007 (10-100MHz) , 0.002 (0.1-13.5GHz) , 0.002 (13.5-22.5GHz)		
deg rms (1kHz IF bandwidth)0.054 (22.5-24GHz), 0.054 (24-26.5GHz)IF Bandwidth1Hz - 5MHzAmplitude Display Resolution0.001dB/divPhase display Resolution0.01°/divAmplitude Reference Level Set Required Value-500 ~ +500dBPhase Reference Level Set Required Value-500 ~ +500°General CharacteristicsPort Connector Type3.5mm (M), 50 Ω systematic impedance	dB rms (1kHz IF bandwidth)	0.003 (22.5-24GHz), 0.005 (24-26.5GHz)		
IF Bandwidth   1Hz - 5MHz     Amplitude Display   0.001dB/div     Resolution   0.01°/div     Phase display Resolution   0.01°/div     Amplitude Reference Level   -500 ~ +500dB     Set Required Value   -500 ~ +500dB     Phase Reference Level Set   -500 ~ +500°     Required Value   -500 ~ +500°     General Characteristics     Port Connector Type   3.5mm (M) , 50 Ω systematic impedance	Phase Noise Trace	0.051 (10-100MHz) , 0.015 (0.1-13.5GHz) , 0.042 (13.5-22.5GHz)		
Amplitude Display Resolution   0.001dB/div     Phase display Resolution   0.01°/div     Amplitude Reference Level Set Required Value   -500 ~ +500dB     Phase Reference Level Set Required Value   -500 ~ +500°     Feasible   -500 ~ +500°     General Characteristics   -500 ~ systematic impedance	deg rms (1kHz IF bandwidth)	0.054 (22.5-24GHz), 0.054 (24-26.5GHz)		
Resolution 0.001dB/div   Phase display Resolution 0.01°/div   Amplitude Reference Level -500 ~ +500dB   Set Required Value -500 ~ +500dB   Phase Reference Level Set -500 ~ +500°   Required Value -500 ~ +500°   General Characteristics   Port Connector Type 3.5mm (M) , 50 Ω systematic impedance	IF Bandwidth	1Hz - 5MHz		
Resolution 0.01°/div   Amplitude Reference Level -500 ~ +500dB   Set Required Value -500 ~ +500dB   Phase Reference Level Set -500 ~ +500°   Required Value -500 ~ +500°   General Characteristics   Port Connector Type 3.5mm (M) , 50 Ω systematic impedance	Amplitude Display			
Amplitude Reference Level -500 ~ +500dB   Set Required Value -500 ~ +500dB   Phase Reference Level Set -500 ~ +500°   Required Value -500 ~ +500°   General Characteristics   Port Connector Type 3.5mm (M) , 50 Ω systematic impedance	Resolution	0.00 106/01		
Set Required Value -500 ~ +500dB   Phase Reference Level Set Required Value -500 ~ +500°   General Characteristics   Port Connector Type 3.5mm (M) , 50 Ω systematic impedance	Phase display Resolution	0.01°/div		
Set Required Value   -500 ~ +500°     Phase Reference Level Set Required Value   -500 ~ +500°     General Characteristics     Port Connector Type   3.5mm (M) , 50 Ω systematic impedance	Amplitude Reference Level			
Required Value -500 ~ +500°   General Characteristics   Port Connector Type 3.5mm (M) , 50 Ω systematic impedance	Set Required Value	-500 ~ +5000B		
Required Value General Characteristics   Port Connector Type 3.5mm (M) , 50 Ω systematic impedance	Phase Reference Level Set	500 · 500°		
Port Connector Type 3.5mm (M) , 50 Ω systematic impedance	Required Value	-500 ~ +500*		
	General Characteristics			
S3602A/B· 2 nort Standard.	Port Connector Type	3.5mm (M) , 50 $\Omega$ systematic impedance		
	Management of Darts	S3602A/B: 2 port Standard;		
Measurement of Ports S3602A/B-400: 4 port (optional)	measurement of Ports	S3602A/B-400: 4 port (optional)		
Peripheral Interface USB, GPIB, VGA, LAN	Peripheral Interface	USB, GPIB, VGA, LAN		
operating System Windows 7	operating System	Windows 7		



(Frequency Range: 10MHz – 13.5GHz / 26.5GHz)

### **General Information**

Display Method	12.I inch high resolution touch screen	
426mm×266mm×550mm (Including handles, pad foot and footin Dimension (LxHxW)		
	463mm×279.5mm×640mm (handles, pad foot and footing are not included)	
The Maximum Power	400W	
Consumption	40000	
Maximum Weight	42kg	

### **Standard Package**

Item	Name	Qty
4	S3602A Vector Network Analyzer (10MHz - 13.5GHz)	1 Set
1 S3602B Vector Network Analyzer (10MHz - 26.5GHz)		1 Set
2	Standard three-wire Power Cord	1 PC
3	USB keyboard / Mouse	1 PC
4	User Guide	1 PC

### **Optional Package for S3602A**

Part No.	Name	Description
	Dual Interface Programmable	Equip source path with two 70dB programmable
S3602A-201	Dual-Interface Programmable	step attenuator and equip receiver path with two
	Step Attenuator	35dB programmable step attenuator
S3602A-400	Four-Interface Measurement	Dual incentive Four-Interface Vector Network
33002A-400		Analyzer
		Equipping source path with 4 70dB Programmable
S3602A-401	Four-Interface Programmable	Step Attenuator and equipping receiver channel
	Step Attenuator	with 4 35dB Programmable Step Attenuator
		(must work with 400)
S3602B-402	Active Intermodulation	Applicable for Active Intermodulation
	Measurement	Measurement of Amplifier (400 Options)
000000 0000	Pulse Measurement	Applicable for S Parameter Measurement under
S3602A-008		pulse circumstance



(Frequency Range: 10MHz – 13.5GHz / 26.5GHz)

S3602A-S10	Time Domain Measurement	Able to recognize and analyze the discontinuous location of instrument, cable or fixture .
S3602A-S80	Frequency Deviation Measurement	Applicable for frequency deviation measurement, necessary for millimeter wave spread spectrum monitor.
S3602A-S82	Scalar Measurement of Mixer	Applicable for the mixer's scalar measurement
S3602A-S83	Vector Measurement of Mixer	Applicable for the mixer's vector measurement
S3602A-S84	Embedded Local Oscillator	Applicable for Embedded Local Oscillator
	Measurement	Measurement
S3602A-S86	Gain Compression Two Dimensional Scanning Measurement	Applicable for Amplifier's Gain Compression Two Dimensional Scanning Measurement
SAV31121	3.5mm Calibrator	Applicable for Whole-Machine Calibration
FB0HA0HB025.0	3.5mm Test Cable	Applicable for Whole-Machine Measurement
FB0HA0HC025.0	3.5mm Test Cable	Applicable for Whole-Machine Measurement
SAV20403	Electronic Calibrator	Applicable for Whole-Machine Calibration (10MHz-26.5GHz second Interface)
SAV20405	Electronic Calibrator	Applicable for Whole Machine Calibration (10MHz-20GHz Fourth Interface)

### Optional Package for S3602B

Part No.	Name	Description
S3602B-201	Dual-Interface Programmable Step Attenuator	Equip source path with two 70dB programmable step attenuator and equip receiver path with two 35dB programmable step attenuator
S3602B-400	Four-Interface Measurement	Dual incentive four-interface Vector Network Analyzer
S3602B-401	Four-Interface Programmable Step Attenuator	Equipping source path with four 70dB programmable step attenuator and equipping receiver channel with four 35dB programmable step attenuator (must work with option 400)



(Frequency Range: 10MHz – 13.5GHz / 26.5GHz)

	1	1
S3602B-402	Active Inter modulation	Applicable for active inter modulation
000020 402	Measurement	measurement of amplifier (400 Options)
S3602B-008	Pulse Measurement	Applicable for S Parameter measurement under
33002B-008		pulse circumstance
S3602B-S10	Time Domain Measurement	Able to recognize and analyze the discontinuous
S3002B-S10		location of instrument, cable or fixture.
	Fraguency Deviation	Applicable for frequency deviation measurement,
S3602B-S80	Frequency Deviation Measurement	necessary for millimeter wave spread spectrum
	Measurement	monitor.
S3602B-S82	Scalar Measurement of Mixer	Applicable for the mixer's scalar measurement
S3602B-S83	Vector Measurement of Mixer	Applicable for the mixer's vector measurement
S3602B-S84	Embedded Local Oscillator	Applicable for embedded local oscillator
33002B-304	Measurement	measurement
	Gain Compression Two	Applicable for amplifier's gain compression two
S3602B-S86	Dimensional Scanning	
	Measurement	dimensional scanning measurement
SAV31121	3.5mm Calibration Piece	Applicable for whole-machine calibration
FB0HA0HB025.0	3.5mm Test Cable	Applicable for whole-machine measurement
FB0HA0HC025.0	3.5mm Test Cable	Applicable for whole-machine measurement
SAV20403	Electronic Calibration Diaco	Applicable for whole-machine calibration
SAV20403	Electronic Calibration Piece	(10MHz-26.5GHz second Interface)
SAV20405	Electronic Calibration Disco	Applicable for whole machine calibration
JAV20400	Electronic Calibration Piece	(10MHz-20GHz fourth interface)

**Note:** Information will conduct the necessary updates, the contents of this document are subject to change without notice



