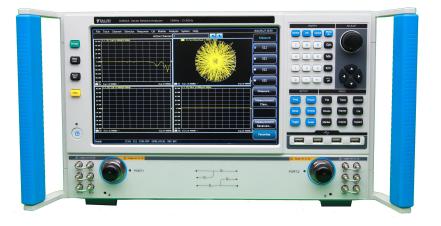
(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)



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.

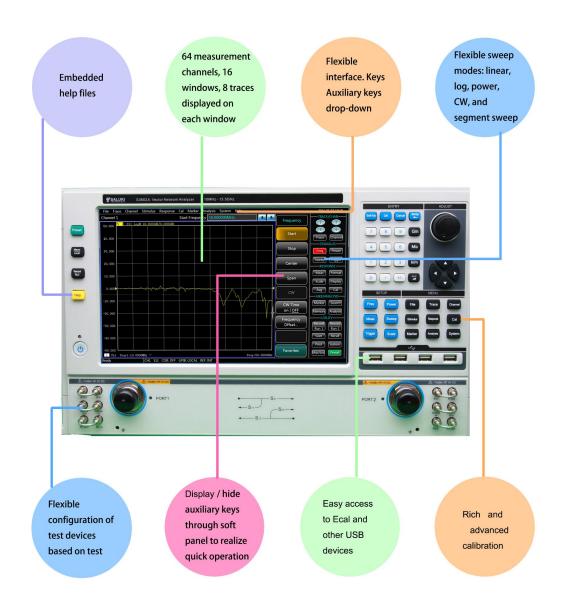
This product can be universally implemented in fields including transmission/reception module measurement, dielectric material property measurement, microwave pulse characteristic measurement and photoelectric property measurement; this analyzer is a necessary tester in the scientific research, production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



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

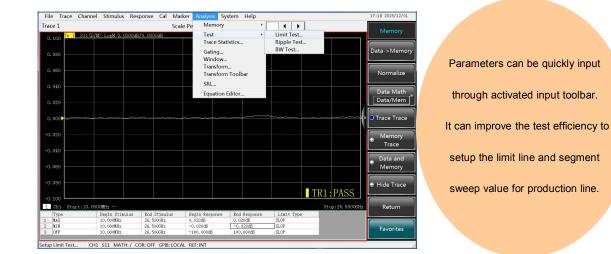
Features To Boost Your Efficiency

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></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 |

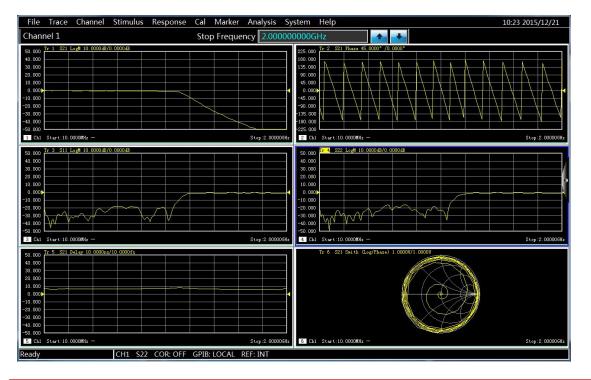
| Open | Save As | Restore Defaults | |
|-----------------------------|-----------|-------------------|------|
| nstalled Kits Import Kit | Save As | Insert Nev | |
| ID | Nane | Description | |
| 13 | 85056D | 2.4mm Cal Kit | |
| 14 | 85058B/E | 1.85mm Cal Kit | |
| 15 | 85036 | N-75 Cal Kit | - in |
| 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

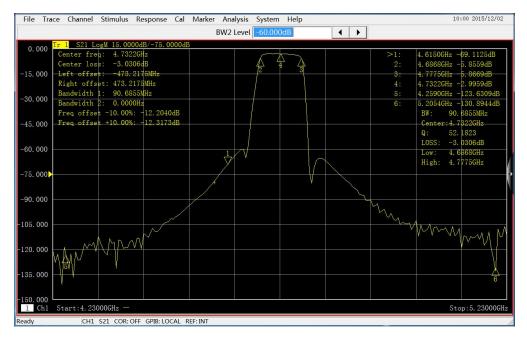
The 12.1-inch touch screen with 1280*800 resolution has bright and comfortable color, which can make the operation very convenient.



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

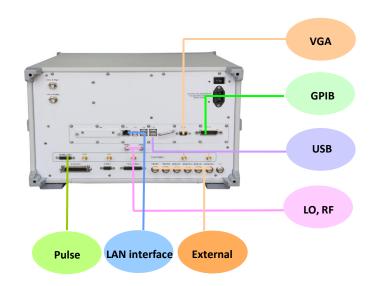
Large dynamic range

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.

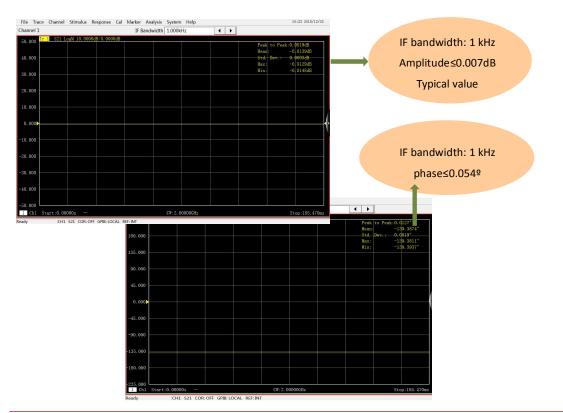




(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)

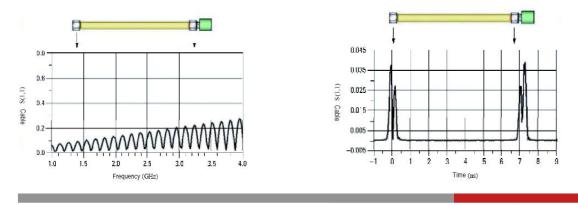
Low trace noise, high test accuracy

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.





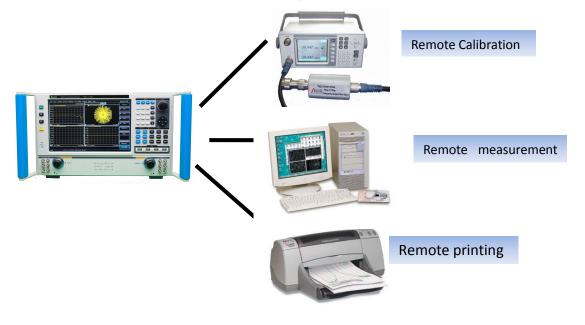
(Frequency Range: 10MHz - 13.5GHz / 26.5GHz)



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 ⁻⁷ (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% | ₀) | | |



(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 ^G 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 Ω 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



