

YNA-3674 Series Vector Network Analyzer

500 Hz to 120 GHz Broadband Coaxial Coverage

Main Features

Up to 30 MHz IF bandwidth supports fast testing and narrow-pulse testing.

A maximum of 200001 measurement points provides refined measurement results.

21 functions including pulse S parameter measurement, frequency conversion device measurement, gain compression measurement, noise figure measurement, spectrum measurement, signal integrity measurement, differential I/Q measurement, active intermodulation distortion measurement, automatic fixture removal, etc.



XGY

YNA-3674 Series Vector Network Analyzer

Product Overview

YNA-3674 supports semiconductor chip testing, material testing, antenna testing, high-speed cable testing, and microwave component testing.

Excellent RF characteristics, flexible hardware configuration and rich software functions complement each other, only one connection can be completed in a variety of measurement tasks.

The large touch screen brings you a flexible and efficient operation experience.



YNA-3674-110 Vector Network Analyzer (10 MHz ~ 110 GHz) Single Unit

YNA-3674-110 - Vector Network Analyzer, 10 MHz to 110 GHz, Single-Unit Configuration.



Excellent Performance

- **500 Hz to 120 GHz**
Broadband coaxial coverage extends from 500 Hz to 120 GHz.
- **30 MHz IF Bandwidth**
Up to 30 MHz IF bandwidth supports fast testing and narrow-pulse testing.
- **200001 Measurement Points**
A maximum of 200001 measurement points provides refined measurement results.
- **140 dB Dynamic Range**
The optimum dynamic range can reach 140 dB.

- **4 Pulse Generators**

4 pulse generators with pulse width and independent delay

- **8.3 ns Pulse Resolution**

Pulse resolution can be as low as 8.3 ns.

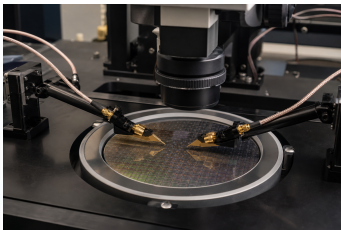
- **Broadband Synchronous Pulse Test Pulse Width < 42 ns**

Broadband synchronous pulse test pulse width < 42 ns

- **15.6-Inch Multi-Parameter Display**

15.6-inch multi-parameter display on the same screen, with multi-touch operation

Product Overview



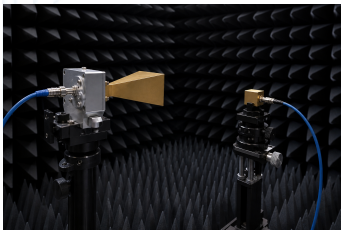
Semiconductor Chip Testing

YNA-3674 supports semiconductor chip testing.



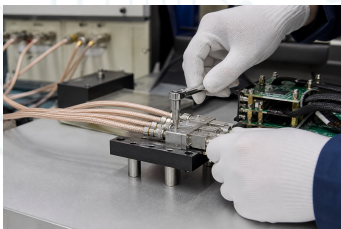
Material Testing

YNA-3674 supports material testing.



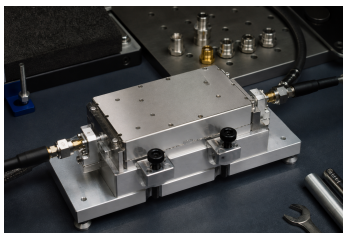
Antenna Testing

Radar T / R components and antenna signal and transceiver module



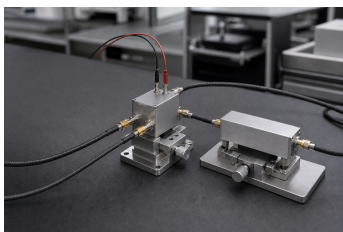
High-Speed Cable Testing

A single view completes both time domain and frequency domain test analysis, helping the user to find the source of impedance discontinuity, reflection and crosstalk. It can accurately measure the impedance characteristics of transmission lines; convenient proximal and remote crosstalk tests to test the degree of interaction between multiple transmission lines.



Microwave Component Testing

YNA-3674 supports microwave component testing.



Mixer/Converter Vector Measurement

Mixer and frequency-converter measurements include amplitude response, absolute phase, and absolute delay response.

Rich Functions

Supported measurements include S parameters, differential and balanced parameters, receiver measurements, limit testing, ripple testing, and filter-bandwidth testing.

Supported calibration methods include SOLT, SOLR, SSLT, SSST, TRM, TRL, custom calibration components, electronic calibration, and waveguide calibration.

Supported display formats include logarithmic magnitude, phase, group delay, Smith chart, linear magnitude, VSWR, real, imaginary, polar, and impedance.

The detachable CPU module provides hard-disk storage and LAN, DP, USB, and GPIB interfaces.

1-10 MHz external reference input / output interface

5-External and intermediate frequency input interface, pulse input and output interface

Rear-panel connections include bias-tee configuration input.

7-Automatic test interface, trigger input / output interface, noise source power interface

4-excitation output and local vibration output provide flexible measurement configuration

Pulse S-Parameter and Frequency-Conversion Measurements

Built-in 4-channel pulse generator for internal source modulation, IF gate control, and output from the rear panel. The pulse width and time delay of each pulse generator can be set independently.

Pulse resolution can be as low as 8.3 ns.

Broadband synchronous pulse test pulse width < 42 ns

Pulse synchronization can be internal or external, with seven source-modulation modes.

Sweeping pulse S parameter test

Pulse envelope test

Pulse point test

Automatic broadband synchronous measurement and narrow-band asynchronous measurement function

Three trigger input and output modules provide system-coordination functions.

Provide comprehensive measurement setting of Mixer/Converter characteristics, support double-order primary vibration and external primary vibration source input, support multiple scanning types such as linear sweep, power sweep and segment sweep, simple setting can automatically complete the complex mixer RF, double LO, IF frequency doubling and frequency distribution, support the setting of source port power, local vibration port power, attenuation, and power sweep characteristics.

Provide the most direct and accurate mixer / Converter frequency conversion loss amplitude response measurement function. Enhance power calibration by power meter to complete the RF and IF full band calibration.

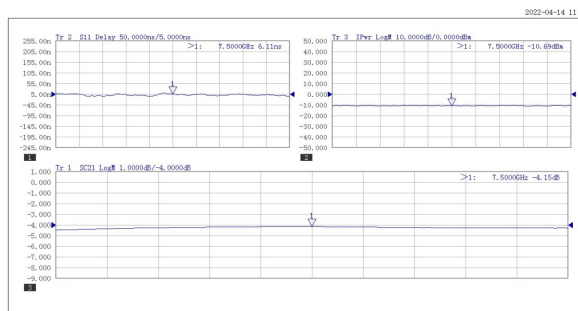
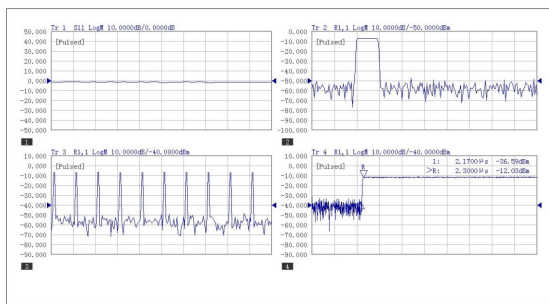
Dual independent source-power and receiver calibration supports non-insertable frequency-conversion devices through port separation.

Mixer and frequency-converter vector measurements include amplitude response, absolute phase, and absolute delay response.

The vector measurement analysis of mixer / Converter can complete the characterization of the mixer, which is used to determine the characteristics of the mixer and obtain the characteristics of the Converter.

The feature characterization function serves as an independent function, and the generated mixer characterization data files can be automatically called in the vector measurement analysis.

Adaptive narrow-band filter to improve the narrow-pulse test capability



Gain Compression, Noise Figure, and Spectrum Analysis

The gain compression measurement function completes the measurement of the linear gain, compression point gain, input power, output power, and linear input matching in the active device through one connection and one calibration.

Power and receiver calibration provide compression-point input power, output power, gain, and input and output matching values.

Intelligent power and frequency scanning supports multiple compression methods for different measurement scenarios.

Three-dimensional views show frequency and power profiles for the measured device.

Primary connection can simultaneously test S parameters, noise coefficient, noise parameters, gain compression and frequency conversion gain. Based on the cold source noise coefficient test method, the accurate noise coefficient and noise parameter test can be conducted. By constructing the advanced noise correlation matrix model and combining with the precise S parameter calibration of the vector network analyzer, it is suitable for the accurate test of the measured parts with the lower noise coefficient. The measurement dynamic range can reach 55dB, which is suitable for testing of subjects with large gain.

Noise embedding and de-embedding support noise-figure testing of non-standard-interface devices, including microwave chips, and remove the effect of mismatch between the tested part and the test equipment.

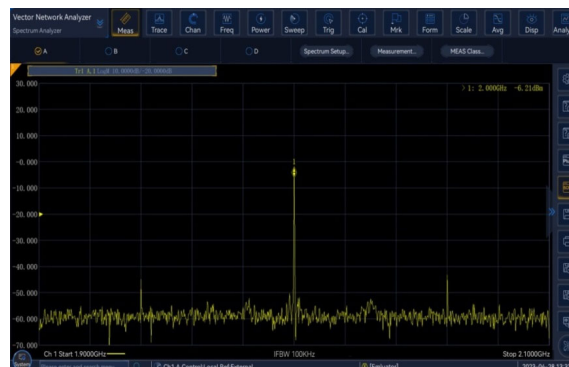
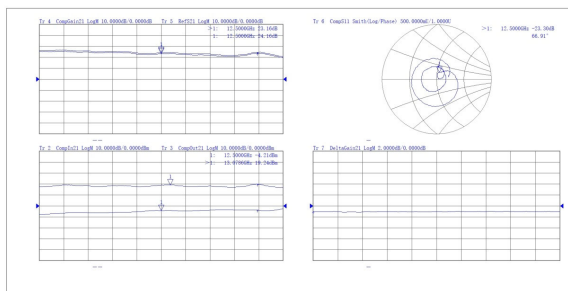
Each vector-network-analyzer port can measure the input and output spectrum and locate stray spectra and harmonics at a small resolution bandwidth.

A single instrument can realize the conventional S parameter test

Stray and harmonic positioning measurement

Complete ratio and absolute measurement error correction technology can provide more accurate measurement results.

The marker of the spectrum measurement function can provide in-band power, power spectral density, occupied bandwidth, adjacent power ratio and other indicators, and one-click setting and real-time update.



Signal Integrity, Differential I/Q, and Fixture Removal

A single view completes both time domain and frequency domain test analysis, helping the user to find the source of impedance discontinuity, reflection and crosstalk. It can accurately measure the impedance characteristics of transmission lines; convenient proximal and remote crosstalk tests to test the degree of interaction between multiple transmission lines.

Signal-integrity analysis measures transmission-line impedance and near-end and far-end crosstalk.

Virtual eye-diagram analysis supports predefined pass/fail templates, jitter and noise application, pre-emphasis, and equalization.

Signal-integrity time-domain analysis provides micron-level spatial resolution for locating discontinuities in small chip-packaging tests.

Broadband total-harmonic-distortion measurement includes input power, output power, gain, and harmonic distortion under true differential excitation.

A single calibration performs multi-channel error correction for standard S parameters and total harmonic distortion, including ratio-measurement error, absolute-receiver measurement error, port-excitation power, and transmission and mismatch errors introduced by mechanical attenuation files between channels.

Measurement parameters can be edited in an XML file, imported with one operation, and updated in real time on the parameter-selection interface.

Wideband testing supports dual-source and receiver operation in various phase, power, and frequency combinations, providing 20 customizable frequency ranges. This allows for measurement and analysis of parameters such as input and output power, gain, harmonic distortion, and local oscillator leakage under true differential excitation, simplifying testing of various devices such as differential amplifiers and I/Q mixers in complex scenarios.

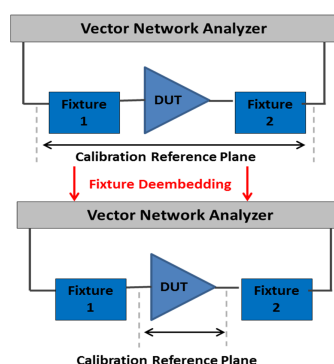
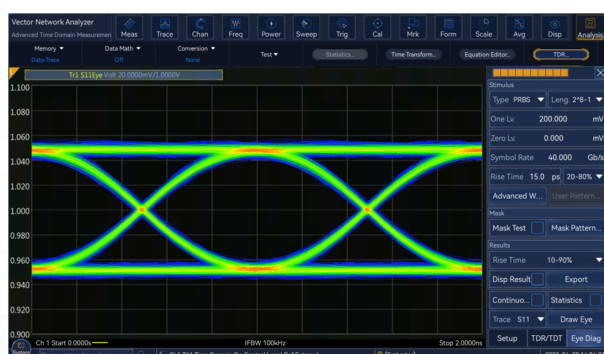
User can define measurement parameters for up to eight receiver and frequency combinations.

A single calibration allows simultaneous error correction for multiple channels, including standard S-parameters and differential I/Q measurements. The source and receiver calibration function with port mismatch ensures the accuracy of dual-source output power and phase, enabling more accurate and efficient measurements.

The fixture is usually used to connect the measured piece to a vector network analyzer, but the fixture also introduces measurement error: the automatic fixture removal function can extract, store the fixture parameters and embed the fixture, and finally obtain the real parameters of the measured parts.

Using the automatic fixture removal function, the measured parts, balance parameter extraction and four-port embedding. It can effectively remove the transmission parameters, proximal crosstalk, and remote crosstalk.

This feature does not require custom calibration, eliminates proximal and distal crosstalk of the differential fixture, and is suitable for test scenarios with open circuit at one end of the fixture.



YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5 Technical Specifications

Items	Specifications	Typical
Frequency Characteristic		
Frequency Range	10 MHz to 9 GHz / 14 GHz / 20 GHz / 26.5 GHz	
Frequency resolution	0.1 Hz	
Frequency Accuracy	$\pm 1 \times 10^{-7}$ (23 deg C ± 3 deg C)	
Port Harmonic Suppression		
Ports 1 and 3 harmonic suppression	-48 dBc (0.01-4 GHz) -57 dBc (4-14 GHz) -57 dBc (14-26.5 GHz)	-62 dBc (0.01-4 GHz) -68 dBc (4-14 GHz) -70 dBc (14-26.5 GHz)
Ports 2 and 4 harmonic suppression	-13 dBc (0.01-4 GHz) -18 dBc (4-14 GHz) -18 dBc (14-26.5 GHz)	-24 dBc (0.01-4 GHz) -30 dBc (4-14 GHz) -36 dBc (14-26.5 GHz)
Port Power Characteristics		
Power sweep range	33 dB (10-50 MHz) 35 dB (0.05-4 GHz) 38 dB (4-16 GHz) 35 dB (16-20 GHz) 32 dB (20-24 GHz) 27 dB (24-26.5 GHz)	36 dB (10-50 MHz) 39 dB (0.05-4 GHz) 41 dB (4-16 GHz) 40 dB (16-20 GHz) 39 dB (20-24 GHz) 38 dB (24-26.5 GHz)

Items	Specifications	Typical
Max. Output Power (Standard Configuration or Four-Port Measurement Configuration)	+13 dBm (10 MHz-50 MHz) +13 dBm (0.05 GHz-14 GHz) +13 dBm (14 GHz-20 GHz) +10 dBm (24 GHz-26.5 GHz)	+16 dBm (10 MHz-50 MHz) +15 dBm (0.05 GHz-14 GHz) +15 dBm (14 GHz-20 GHz) +14 dBm (24 GHz-26.5 GHz)
Max. Output Power (Four-Port Measurement, Four-Port Programmable Step Attenuator, Active Intermodulation Distortion Measurement, Configurable Test Set, and Noise Figure Measurement Options)	+10 dBm (10-50 MHz) +7 dBm (0.05-14 GHz) +5 dBm (14-20 GHz) +3 dBm (24-26.5 GHz)	+12 dBm (10-50 MHz) +10 dBm (0.05-14 GHz) +10 dBm (14-20 GHz) +7 dBm (24-26.5 GHz)
Pulse Characteristic		
Pulse width setting range	33 ns-70 s	20 ns-70 s
Pulse on/off ratio	64 dB (0.01-4 GHz) 80 dB (4-26.5 GHz)	

YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5 Technical Specifications

Items	Specifications	Typical
Network Parameter Characteristic		
System Dynamic Range (Standard or Four-Port Measurement Configuration)	96 dB (10 MHz-50 MHz) 110 dB (50 MHz-500 MHz) 130 dB (0.5 GHz-4 GHz) 133 dB (4 GHz-14 GHz) 131 dB (14 GHz-20 GHz) 125 dB (20 GHz-26.5 GHz)	108 dB (10 MHz-50 MHz) 124 dB (50 MHz-500 MHz) 140 dB (0.5 GHz-4 GHz) 140 dB (4 GHz-14 GHz) 133 dB (14 GHz-20 GHz) 128 dB (20 GHz-26.5 GHz)
System Dynamic Range (Four-Port Measurement, Four-Port Programmable Step Attenuator, Active Intermodulation Distortion Measurement, Configurable Test Set, and Noise Figure Measurement Options)	96 dB (10 MHz-50 MHz) 110 dB (50 MHz-500 MHz) 120 dB (0.5 GHz-4 GHz) 120 dB (4 GHz-14 GHz) 115 dB (14 GHz-20 GHz) 115 dB (20 GHz-26.5 GHz)	105 dB (10 MHz-50 MHz) 120 dB (50 MHz-500 MHz) 134 dB (0.5 GHz-4 GHz) 134 dB (4 GHz-14 GHz) 128 dB (14 GHz-20 GHz) 122 dB (20 GHz-26.5 GHz)
Effective Directivity	48 dB (0.01-2 GHz) 44 dB (2-26.5 GHz)	65 dB (0.01-2 GHz) 52 dB (2-26.5 GHz)
Effective Source Match	40 dB (0.01-2 GHz) 31 dB (2-26.5 GHz)	46 dB (0.01-2 GHz) 36 dB (2-26.5 GHz)
Effective load match	47 dB (0.01-2 GHz) 44 dB (2-26.5 GHz)	61 dB (0.01-2 GHz) 56 dB (2-26.5 GHz)
Reflection Tracking	±0.0150 dB (0.01-2 GHz) ±0.0161 dB (2-26.5 GHz)	±0.0060 dB (0.01-2 GHz) ±0.0030 dB (2-26.5 GHz)
Transmission tracking	±0.044 dB (10-50 MHz) ±0.055 dB (0.05-2 GHz) ±0.120 dB (2-9 GHz) ±0.110 dB (9-14 GHz) ±0.120 dB (14-26.5 GHz)	±0.001 dB (10-50 MHz) ±0.002 dB (0.05-2 GHz) ±0.004 dB (2-9 GHz) ±0.005 dB (9-14 GHz) ±0.008 dB (14-26.5 GHz)

YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5 Technical Specifications

Items	Specifications	Typical
Others		
Amplitude Trace Noise dB rms (1 kHz IF bandwidth)	0.0070 (10-100 MHz) 0.0020 (100-500 MHz) 0.0020 (0.5-1 GHz) 0.0020 (1-14 GHz) 0.0020 (14-22.5 GHz) 0.0030 (22.5-24 GHz) 0.0050 (24-26.5 GHz)	0.0040 (10-100 MHz) 0.0017 (100-500 MHz) 0.0006 (0.5-1 GHz) 0.0006 (1-14 GHz) 0.0007 (14-22.5 GHz) 0.0008 (22.5-24 GHz) 0.0007 (24-26.5 GHz)
Phase Trace Noise Deg rms (1 kHz IF bandwidth)	0.051 (10-100 MHz) 0.015 (100-500 MHz) 0.015 (0.5-1 GHz) 0.015 (1-14 GHz) 0.042 (14-22.5 GHz) 0.054 (22.5-24 GHz) 0.054 (24-26.5 GHz)	0.030 (10-100 MHz) 0.012 (100-500 MHz) 0.004 (0.5-1 GHz) 0.004 (1-14 GHz) 0.005 (14-22.5 GHz) 0.005 (22.5-24 GHz) 0.005 (24-26.5 GHz)
General Characteristic		
IF bandwidth	1 Hz-30 MHz	
Amplitude display resolution	0.001 dB/div	
Phase display resolution	0.001 deg/div	
Port Connectors Type	3.5 mm (male), system impedance 50 ohms	
Measured ports	Standard: 2 ports YNA-3674-9-400 / YNA-3674-14-400 / YNA-3674-20-400 / YNA-3674-26.5-400 option: 4 ports	
Peripheral interfaces	GPIB, USB, DP, and LAN	
Display	15.6-inch high-resolution touch display	
Dimensions	Overall dimensions (W*H*D, including handles, feet and pads): 2-port: 475 mm * 279 mm * 560 mm 4-port: 475 mm * 279 mm * 660 mm	
Max. Power Consumption	500 W	
Power Supply	50 Hz 220 V or 50 Hz/60 Hz 110 V AC	
Max. Weight	50 kg	

YNA-3674-32 / YNA-3674-44 / YNA-3674-50

Technical Specification

Items	Specifications	Typical
Frequency Characteristic		
Frequency Range	10 MHz-32 GHz / 44 GHz / 50 GHz	
Frequency resolution	0.1 Hz	
Frequency Accuracy	±1 x 10^-7 (23 deg C ±3 deg C)	
Port Harmonic Suppression		
Ports 1 and 3 harmonic suppression	-48 dBc (0.01-4 GHz) -57 dBc (4-14 GHz) -57 dBc (14-50 GHz)	-68 dBc (0.01-4 GHz) -70 dBc (4-14 GHz) -70 dBc (14-50 GHz)
Ports 2 and 4 harmonic suppression	-13 dBc (0.01-4 GHz) -18 dBc (4-14 GHz) -57 dBc (14-50 GHz)	-18 dBc (0.01-4 GHz) -31 dBc (4-14 GHz) -70 dBc (14-50 GHz)
Port Power Characteristics		
Power sweep range	37 dB (10-50 MHz)	42 dB (10-50 MHz)
	38 dB (0.05-2 GHz)	44 dB (0.05-2 GHz)
	35 dB (2-4 GHz)	41 dB (2-4 GHz)
	38 dB (4-26.5 GHz)	41 dB (4-26.5 GHz)
	37 dB (26.5-30 GHz)	42 dB (26.5-30 GHz)
	36 dB (30-32 GHz)	40 dB (30-32 GHz)
	37 dB (32-35 GHz)	43 dB (32-35 GHz)
	34 dB (35-44 GHz)	39 dB (35-44 GHz)
	30 dB (44-47 GHz)	38 dB (44-47 GHz)
	20 dB (47-50 GHz)	36 dB (47-50 GHz)
Max. Output Power (Standard Configuration or Four-Port Measurement Configuration)	+12 dBm (10-50 MHz)	+14 dBm (10-50 MHz)
	+12 dBm (0.05-4 GHz)	+13 dBm (0.05-4 GHz)
	+12 dBm (4-14 GHz)	+14 dBm (4-14 GHz)
	+13 dBm (14-20 GHz)	+14 dBm (14-20 GHz)
	+13 dBm (20-26.5 GHz)	+14 dBm (20-26.5 GHz)
	+12 dBm (26.5-40 GHz)	+15 dBm (26.5-40 GHz)
	+9 dBm (40-47 GHz)	+13 dBm (40-47 GHz)
	+5 dBm (47-50 GHz)	+10 dBm (47-50 GHz)
Max. Output Power (Four-Port Measurement, Four-Port Programmable Step Attenuator, Active Intermodulation Distortion Measurement, Configurable Test Set, and Noise Figure Measurement Options)	+9 dBm (10-50 MHz)	+10 dBm (10-50 MHz)
	+4 dBm (0.05-4 GHz)	+7 dBm (0.05-4 GHz)
	+4 dBm (4-14 GHz)	+7 dBm (4-14 GHz)
	+8 dBm (14-20 GHz)	+9 dBm (14-20 GHz)
	+6 dBm (20-26.5 GHz)	+9 dBm (20-26.5 GHz)
	+4 dBm (26.5-40 GHz)	+7 dBm (26.5-40 GHz)
	-1 dBm (40-47 GHz)	+1 dBm (40-47 GHz)
	-5 dBm (47-50 GHz)	+0 dBm (47-50 GHz)
Pulse Characteristic		
Pulse width setting range	33 ns-70 s	20 ns-70 s
Pulse on/off ratio	64 dB (0.01-4 GHz) 80 dB (4-50 GHz)	

YNA-3674-32 / YNA-3674-44 / YNA-3674-50

Technical Specification

Items	Specifications	Typical
Network Parameter Characteristic		
System Dynamic Range (Standard or Four-Port Measurement Configuration)	89 dB (10-50 MHz) 106 dB (50-500 MHz) 130 dB (0.5-4 GHz) 130 dB (4-14 GHz) 128 dB (14-20 GHz) 130 dB (20-26.5 GHz) 125 dB (26.5-40 GHz) 122 dB (40-47 GHz) 115 dB (47-50 GHz)	104 dB (10-50 MHz) 122 dB (50-500 MHz) 137 dB (0.5-4 GHz) 139 dB (4-14 GHz) 138 dB (14-20 GHz) 138 dB (20-26.5 GHz) 133 dB (26.5-40 GHz) 130 dB (40-47 GHz) 125 dB (47-50 GHz)
System Dynamic Range (Four-Port Measurement, Four-Port Programmable Step Attenuator, Active Intermodulation Distortion Measurement, Configurable Test Set, and Noise Figure Measurement Options)	83 dB (10-50 MHz) 100 dB (50-500 MHz) 114 dB (0.5-4 GHz) 112 dB (4-14 GHz) 116 dB (14-20 GHz) 114 dB (20-26.5 GHz) 112 dB (26.5-40 GHz) 106 dB (40-47 GHz) 100 dB (47-50 GHz)	97 dB (10-50 MHz) 108 dB (50-500 MHz) 125 dB (0.5-4 GHz) 132 dB (4-14 GHz) 128 dB (14-20 GHz) 127 dB (20-26.5 GHz) 125 dB (26.5-40 GHz) 119 dB (40-47 GHz) 104 dB (47-50 GHz)
Effective directivity	41 dB (0.01-2 GHz) 38 dB (2-20 GHz) 36 dB (20-50 GHz)	59 dB (0.01-2 GHz) 54 dB (2-20 GHz) 47 dB (20-50 GHz)
Effective source match	31 dB (0.01-2 GHz) 30 dB (2-20 GHz) 23 dB (20-50 GHz)	45 dB (0.01-2 GHz) 36 dB (2-20 GHz) 31 dB (20-50 GHz)
Effective load match	42 dB (0.01-2 GHz) 37 dB (2-20 GHz) 35 dB (20-50 GHz)	58 dB (0.01-2 GHz) 55 dB (2-20 GHz) 51 dB (20-50 GHz)
Reflection tracking	±0.0150 dB (0.01-2 GHz) ±0.0290 dB (2-20 GHz) ±0.0300 dB (20-40 GHz) ±0.0400 dB (40-50 GHz)	±0.0046 dB (0.01-2 GHz) ±0.0022 dB (2-20 GHz) ±0.0020 dB (20-40 GHz) ±0.0065 dB (40-50 GHz)
Transmission tracking	±0.051 dB (10-50 MHz) ±0.030 dB (0.05-2 GHz) ±0.095 dB (2-10 GHz) ±0.120 dB (10-20 GHz) ±0.200 dB (20-40 GHz) ±0.200 dB (40-50 GHz)	±0.002 dB (10-50 MHz) ±0.004 dB (0.05-2 GHz) ±0.002 dB (2-10 GHz) ±0.002 dB (10-20 GHz) ±0.005 dB (20-40 GHz) ±0.002 dB (40-50 GHz)

YNA-3674-32 / YNA-3674-44 / YNA-3674-50

Technical Specification

Items	Specifications	Typical
Others		
Amplitude Trace Noise dB rms (1 kHz IF bandwidth)	0.2000 (10-50 MHz) 0.0200 (50-500 MHz) 0.0030 (0.5-1 GHz) 0.0020 (1-26.5 GHz) 0.0030 (26.5-44 GHz) 0.0040 (44-50 GHz)	0.0039 (10-50 MHz) 0.0006 (50-500 MHz) 0.0005 (0.5-1 GHz) 0.0006 (1-26.5 GHz) 0.0007 (26.5-44 GHz) 0.0008 (44-50 GHz)
Phase Trace Noise Deg rms (1 kHz IF bandwidth)	1.000 (10-50 MHz) 0.500 (50-500 MHz) 0.020 (0.5-1 GHz) 0.020 (1-26.5 GHz) 0.030 (26.5-50 GHz)	0.024 (10-50 MHz) 0.004 (50-500 MHz) 0.003 (0.5-1 GHz) 0.004 (1-26.5 GHz) 0.005 (26.5-50 GHz)
General Characteristic		
IF bandwidth	1 Hz-30 MHz	
Amplitude display resolution	0.001 dB/div	
Phase display resolution	0.001 deg/div	
Port Connectors	2.4 mm (head), system impedance 50 ohms	
Measured ports	Standard: 2 ports YNA-3674-32-400 / YNA-3674-44-400 / YNA-3674-50-400 option: 4 ports	
Peripheral Interface	GPIB interface, USB interface, DP interface, LAN interface	
Display	15.6-inch high-resolution touch display	
Dimensions	Overall dimensions (W*H*D, including handles, feet and pads): 2-port: 475 mm * 279 mm * 560 mm 4-port: 475 mm * 279 mm * 660 mm	
Max. Power Consumption	500 W	
Power Supply	50 Hz single-phase 220 V or 50 Hz / 60 Hz single-phase 110 V AC	
Max. Weight	50 kg	

YNA-3674-53 / YNA-3674-67 Technical Specification

Items	Specifications	Typical
Frequency Characteristic		
Frequency Range	10 MHz-53/67 GHz	
Frequency resolution	0.1 Hz	
Frequency Accuracy	$\pm 1 \times 10^{-7}$ (23 deg C ± 3 deg C)	
Port Harmonic Suppression		
Ports 1 and 3 harmonic suppression	-48 dBc (0.01-4 GHz) -57 dBc (4-14 GHz) -57 dBc (14-67 GHz)	-57 dBc (0.01-4 GHz) -70 dBc (4-14 GHz) -71 dBc (14-67 GHz)
Ports 2 and 4 harmonic suppression	-13 dBc (0.01-4 GHz) -18 dBc (4-14 GHz) -57 dBc (14-67 GHz)	-25 dBc (0.01-4 GHz) -32 dBc (4-14 GHz) -72 dBc (14-67 GHz)
Port Power Characteristics		
Power Sweep Range	35 dB (10-50 MHz) 38 dB (0.05-2 GHz) 35 dB (2-4 GHz) 38 dB (4-10 GHz) 36 dB (10-14 GHz) 37 dB (14-16 GHz) 35 dB (16-19 GHz) 34 dB (19-26.5 GHz) 33 dB (26.5-30 GHz) 32 dB (30-32 GHz) 32 dB (32-35 GHz) 30 dB (35-40 GHz) 35 dB (40-67 GHz)	41 dB (10-50 MHz) 44 dB (0.05-2 GHz) 40 dB (2-4 GHz) 42 dB (4-10 GHz) 43 dB (10-14 GHz) 42 dB (14-16 GHz) 40 dB (16-19 GHz) 37 dB (19-26.5 GHz) 37 dB (26.5-30 GHz) 36 dB (30-32 GHz) 39 dB (32-35 GHz) 36 dB (35-40 GHz) 40 dB (40-67 GHz)
Max. Output Power (Standard Configuration or Four-Port Measurement Configuration)	+10 dBm (10-50 MHz) +10 dBm (0.05-14 GHz) +12 dBm (14-20 GHz) +11 dBm (20-26.5 GHz) +10 dBm (26.5-30 GHz) +7 dBm (30-32 GHz) +9 dBm (32-35 GHz) +5 dBm (35-40 GHz) +10 dBm (40-67 GHz)	+16 dBm (10-50 MHz) +14 dBm (0.05-14 GHz) +16 dBm (14-20 GHz) +14 dBm (20-26.5 GHz) +13 dBm (26.5-30 GHz) +10 dBm (30-32 GHz) +12 dBm (32-35 GHz) +11 dBm (35-40 GHz) +16 dBm (40-67 GHz)
Max. Output Power (Four-Port Measurement, Four-Port Programmable Step Attenuator, Active Intermodulation Distortion Measurement, Configurable Test Set, and Noise Figure Measurement Options)	+6 dBm (10-50 MHz) +4 dBm (0.05-14 GHz) +4 dBm (14-20 GHz) +4 dBm (20-26.5 GHz) -2 dBm (26.5-30 GHz) -2 dBm (30-32 GHz) -2 dBm (32-35 GHz) -2 dBm (35-40 GHz) -2 dBm (40-67 GHz)	+10 dBm (10-50 MHz) +9 dBm (0.05-14 GHz) +11 dBm (14-20 GHz) +7 dBm (20-26.5 GHz) +6 dBm (26.5-30 GHz) +4 dBm (30-32 GHz) +5 dBm (32-35 GHz) +3 dBm (35-40 GHz) +4 dBm (40-67 GHz)
Pulse Characteristic		
Pulse width setting range	33 ns-70 s	20 ns-70 s
Pulse on/off ratio	64 dB (0.01-4 GHz) 80 dB (4-67 GHz)	

YNA-3674-53 / YNA-3674-67 Technical Specification

Items	Specifications	Typical
Network Parameter Characteristic		
System Dynamic Range (Standard or Four-Port Measurement Configuration)	87 dB (10-50 MHz) 110 dB (50-500 MHz) 127 dB (0.5-4 GHz) 130 dB (4-14 GHz) 129 dB (14-26.5 GHz) 120 dB (26.5-40 GHz) 116 dB (40-50 GHz) 107 dB (50-60 GHz) 106 dB (60-67 GHz)	102 dB (10-50 MHz) 124 dB (50-500 MHz) 137 dB (0.5-4 GHz) 142 dB (4-14 GHz) 138 dB (14-26.5 GHz) 134 dB (26.5-40 GHz) 128 dB (40-50 GHz) 118 dB (50-60 GHz) 116 dB (60-67 GHz)
System Dynamic Range (Four-Port Measurement, Four-Port Programmable Step Attenuator, Active Intermodulation Distortion Measurement, Configurable Test Set, and Noise Figure Measurement Options)	84 dB (10-50 MHz) 101 dB (50-500 MHz) 114 dB (0.5-4 GHz) 113 dB (4-14 GHz) 113 dB (14-26.5 GHz) 105 dB (26.5-40 GHz) 106 dB (40-50 GHz) 101 dB (50-60 GHz) 100 dB (60-67 GHz)	100 dB (10-50 MHz) 120 dB (50-500 MHz) 129 dB (0.5-4 GHz) 130 dB (4-14 GHz) 128 dB (14-26.5 GHz) 118 dB (26.5-40 GHz) 115 dB (40-50 GHz) 112 dB (50-60 GHz) 106 dB (60-67 GHz)
Effective directivity	35 dB (0.01-2 GHz) 41 dB (2-10 GHz) 38 dB (10-20 GHz) 37 dB (20-35 GHz) 37 dB (35-50 GHz) 34 dB (50-67 GHz)	65 dB (0.01-2 GHz) 65 dB (2-10 GHz) 59 dB (10-20 GHz) 54 dB (20-35 GHz) 48 dB (35-50 GHz) 40 dB (50-67 GHz)
Effective source match	34 dB (0.01-2 GHz) 36 dB (2-10 GHz) 40 dB (10-20 GHz) 34 dB (20-35 GHz) 28 dB (35-50 GHz) 28 dB (50-67 GHz)	43 dB (0.01-2 GHz) 40 dB (2-10 GHz) 42 dB (10-20 GHz) 38 dB (20-35 GHz) 31 dB (35-50 GHz) 31 dB (50-67 GHz)
Effective load match	34 dB (0.01-2 GHz) 40 dB (2-10 GHz) 36 dB (10-20 GHz) 35 dB (20-35 GHz) 36 dB (35-50 GHz) 33 dB (50-67 GHz)	59 dB (0.01-2 GHz) 66 dB (2-10 GHz) 66 dB (10-20 GHz) 57 dB (20-35 GHz) 59 dB (35-50 GHz) 55 dB (50-67 GHz)
Reflection tracking	±0.0200 dB (0.01-2 GHz) ±0.0110 dB (2-10 GHz) ±0.0330 dB (10-35 GHz) ±0.0200 dB (35-50 GHz) ±0.0310 dB (50-67 GHz)	±0.0050 dB (0.01-2 GHz) ±0.0016 dB (2-10 GHz) ±0.0037 dB (10-35 GHz) ±0.0045 dB (35-50 GHz) ±0.0180 dB (50-67 GHz)
Transmission tracking	±0.100 dB (0.01-2 GHz) ±0.065 dB (2-10 GHz) ±0.100 dB (10-20 GHz) ±0.110 dB (20-35 GHz) ±0.094 dB (35-50 GHz) ±0.140 dB (50-60 GHz) ±0.150 dB (60-67 GHz)	±0.002 dB (0.01-2 GHz) ±0.002 dB (2-10 GHz) ±0.002 dB (10-20 GHz) ±0.003 dB (20-35 GHz) ±0.004 dB (35-50 GHz) ±0.006 dB (50-60 GHz) ±0.009 dB (60-67 GHz)

YNA-3674-53 / YNA-3674-67 Technical Specification

Items	Specifications	Typical
Others		
Amplitude Trace Noise dB rms (1 kHz IF bandwidth)	0.0500 (10-50 MHz) 0.0040 (50-100 MHz) 0.0020 (100-500 MHz) 0.0030 (0.5-1 GHz) 0.0020 (1-26.5 GHz) 0.0030 (26.5-50 GHz) 0.0300 (50-67 GHz)	0.0042 (10-50 MHz) 0.0030 (50-100 MHz) 0.0006 (100-500 MHz) 0.0004 (0.5-1 GHz) 0.0003 (1-26.5 GHz) 0.0009 (26.5-50 GHz) 0.0077 (50-67 GHz)
Phase Trace Noise Deg rms (1 kHz IF bandwidth)	0.400 (10-50 MHz) 0.020 (0.05-26.5 GHz) 0.030 (26.5-50 GHz) 0.200 (50-67 GHz)	0.029 (10-50 MHz) 0.008 (0.05-26.5 GHz) 0.008 (26.5-50 GHz) 0.051 (50-67 GHz)
General Characteristic		
IF bandwidth	1 Hz-30 MHz	
Amplitude display resolution	0.001 dB/div	
Phase display resolution	0.001 deg/div	
Port Connectors	1.85 mm (head), system impedance 50 ohms	
Measured ports	Standard: 2 ports YNA-3674-53-400 / YNA-3674-67-400 option: 4 ports	
Peripheral Interface	GPIB interface, USB interface, DP interface, LAN interface	
Display	15.6-inch high-resolution touch display	
Dimensions	Overall dimensions (W*H*D, including handles, feet and pads): 2-port: 475 mm * 279 mm * 560 mm 4-port: 475 mm * 279 mm * 660 mm	
Max. Power Consumption	500 W	
Power Supply	50 Hz single-phase 220 V or 50 Hz / 60 Hz single-phase 110 V AC	
Max. Weight	50 kg	

YNA-3674 Series Vector Network Analyzer

Technical Specifications

Model	YNA-3674-90 Vector Network Analyzer (10 MHz to 90 GHz), Single Unit YNA-3674-110 Vector Network Analyzer (10 MHz to 110 GHz), Single Unit	YNA-3674-110-A - Vector Network Analyzer (10 MHz to 110 GHz), With Separate Controller and 1.0 mm Extender Modules YNA-3674-120-A - Vector Network Analyzer (10 MHz to 120 GHz), With Separate Controller and 1.0 mm Extender Modules
Frequency Characteristic		
Frequency Range	YNA-3674-90: 10 MHz-90 GHz YNA-3674-110: 10 MHz-110 GHz	YNA-3674-110-A: 10 MHz-110 GHz YNA-3674-120-A: 10 MHz-120 GHz
Frequency resolution	1 Hz	
Frequency Accuracy	$\pm 1 \times 10^{-7}$ (23 deg C ± 3 deg C)	
Port harmonic suppression	-13 dBc (0.01-4 GHz) -25 dBc (4-14 GHz) -51 dBc (14-45 GHz) -31 dBc (45-55 GHz)	-13 dBc (0.01-3.2 GHz) -25 dBc (3.2-14 GHz) -31 dBc (14-60 GHz)
Port Power Characteristics		
Max. Output Power	+10 dBm (10-50 MHz) +10 dBm (0.05-2 GHz) +10 dBm (2-30 GHz) +5 dBm (30-40 GHz) +1 dBm (40-90 GHz) +0 dBm (90-110 GHz)	+5 dBm (10-50 MHz) +10 dBm (0.05-2 GHz) +8 dBm (2-3.2 GHz) +10 dBm (3.2-10 GHz) +5 dBm (10-24 GHz) +1 dBm (24-40 GHz) +3 dBm (40-60 GHz) +0 dBm (60-110 GHz) -5 dBm (110-120 GHz)
Pulse Characteristic		
Pulse Width Setting Range	33 ns-60 s	Not specified
Pulse ON/OFF Ratio	64 dB (0.01-4 GHz), 70 dB (4-90 GHz)	Not specified
Network Parameter Characteristic		
System dynamic range	70 dB (10-500 MHz) 110 dB (0.5-1 GHz) 110 dB (1-26.5 GHz) 107 dB (26.5-35 GHz) 95 dB (35-50 GHz) 90 dB (50-72 GHz) 100 dB (72-90 GHz) 95 dB (90-110 GHz)	70 dB (10-500 MHz) 105 dB (0.5-1 GHz) 110 dB (1-26.5 GHz) 107 dB (26.5-50 GHz) 90 dB (50-72 GHz) 100 dB (72-90 GHz) 90 dB (90-110 GHz) 80 dB (110-120 GHz)
Effective directivity	35 dB (0.01-3.2 GHz) 30 dB (3.2-10 GHz) 24 dB (10-50 GHz) 23 dB (50-67 GHz) 20 dB (67-90 GHz) 20 dB (90-110 GHz)	25 dB (0.01-3.2 GHz) 25 dB (3.2-10 GHz) 20 dB (10-67 GHz) 22 dB (67-90 GHz) 20 dB (90-110 GHz) 20 dB (110-120 GHz)

Model	YNA-3674-90 Vector Network Analyzer (10 MHz to 90 GHz), Single Unit YNA-3674-110 Vector Network Analyzer (10 MHz to 110 GHz), Single Unit	YNA-3674-110-A - Vector Network Analyzer (10 MHz to 110 GHz), With Separate Controller and 1.0 mm Extender Modules YNA-3674-120-A - Vector Network Analyzer (10 MHz to 120 GHz), With Separate Controller and 1.0 mm Extender Modules
Effective load match	35 dB (0.01-3.2 GHz) 36 dB (3.2-10 GHz) 33 dB (10-26.5 GHz) 30 dB (26.5-50 GHz) 25 dB (50-67 GHz) 20 dB (67-90 GHz) 20 dB (90-110 GHz)	29 dB (0.01-3.2 GHz) 30 dB (3.2-10 GHz) 28 dB (10-26.5 GHz) 30 dB (26.5-50 GHz) 26 dB (50-90 GHz) 25 dB (90-110 GHz) 25 dB (110-120 GHz)
Reflection tracking	±0.050 dB (0.01-3.2 GHz) ±0.030 dB (3.2-10 GHz) ±0.033 dB (10-26.5 GHz) ±0.080 dB (26.5-50 GHz) ±0.091 dB (50-67 GHz) ±0.095 dB (67-90 GHz) ±0.099 dB (90-110 GHz)	±0.080 dB (0.01-3.2 GHz) ±0.055 dB (3.2-10 GHz) ±0.090 dB (10-26.5 GHz) ±0.075 dB (26.5-50 GHz) ±0.150 dB (50-67 GHz) ±0.250 dB (67-90 GHz) ±0.300 dB (90-110 GHz) ±0.300 dB (110-120 GHz)
Transmission tracking	±0.149 dB (0.01-3.2 GHz) ±0.090 dB (3.2-10 GHz) ±0.110 dB (10-26.5 GHz) ±0.130 dB (26.5-50 GHz) ±0.1500 dB (50-67 GHz) ±0.200 dB (67-90 GHz) ±0.300 dB (90-110 GHz)	±0.260 dB (0.01-3.2 GHz) ±0.164 dB (3.2-10 GHz) ±0.101 dB (10-26.5 GHz) ±0.189 dB (26.5-50 GHz) ±0.343 dB (50-67 GHz) ±0.449 dB (67-90 GHz) ±0.483 dB (90-110 GHz) ±0.483 dB (110-120 GHz)

YNA-3674 Series Vector Network Analyzer Technical Specifications

Model	YNA-3674-90 / YNA-3674-110	YNA-3674-110-A / YNA-3674-120-A
Others		
Amplitude Trace Noise dB rms (100 Hz IF bandwidth)	0.050 (10-100 MHz) 0.004 (0.1-26.5 GHz) 0.007 (26.5-50 GHz) 0.009 (50-90 GHz) 0.009 (90-110 GHz)	0.200 (10-100 MHz) 0.007 (0.1-26.5 GHz) 0.004 (26.5-50 GHz) 0.007 (50-110 GHz) 0.009 (110-120 GHz)
General Characteristic		
IF bandwidth	1 Hz-30 MHz	
Port Connectors	1.0 mm (male), system impedance 50 ohms	
Number of Measured Ports	Standard: 2 ports YNA-3674-90-400 option: 4 ports	YNA-3674-26.5 / YNA-3674-32 / YNA-3674-44 / YNA-3674-50 / YNA-3674-53 / YNA-3674-67 + YNA-3674-009: 2 ports YNA-3674-26.5 / YNA-3674-32 / YNA-3674-44 / YNA-3674-50 / YNA-3674-53 / YNA-3674-67 + YNA-3674-010: 4 ports
Peripheral Interface	GPIB interface, USB interface, DP interface, LAN interface	

Model	YNA-3674-90 / YNA-3674-110	YNA-3674-110-A / YNA-3674-120-A
Display	15.6-inch touch screen with 1920*1080 high-resolution	
Dimensions	Overall dimensions (W*H*D, including handles, feet and pads): 2-port: 475 mm * 279 mm * 560 mm 4-port: 475 mm * 279 mm * 660 mm	
Max. Power Consumption	500 W	600 W
Power Supply	50 Hz 220 V or 50 Hz / 60 Hz 110 V AC	
Max. Weight	50 kg	84 kg

Order Information

Model / Option	Description
Order Information	
YNA-3674-9	Vector Network Analyzer, 10 MHz-9 GHz, Single-Unit Configuration
YNA-3674-14	Vector Network Analyzer, 10 MHz-14 GHz, Single-Unit Configuration
YNA-3674-20	Vector Network Analyzer, 10 MHz-20 GHz, Single-Unit Configuration
YNA-3674-26.5	Vector Network Analyzer, 10 MHz-26.5 GHz, Single-Unit Configuration
YNA-3674-32	Vector Network Analyzer, 10 MHz-32 GHz, Single-Unit Configuration
YNA-3674-44	Vector Network Analyzer, 10 MHz-44 GHz, Single-Unit Configuration
YNA-3674-50	Vector Network Analyzer, 10 MHz-50 GHz, Single-Unit Configuration
YNA-3674-53	Vector Network Analyzer, 10 MHz-53 GHz, Single-Unit Configuration
YNA-3674-67	Vector Network Analyzer, 10 MHz-67 GHz, Single-Unit Configuration
YNA-3674-90	Vector Network Analyzer, 10 MHz-90 GHz, Single-Unit Configuration
YNA-3674-110	Vector Network Analyzer, 10 MHz-110 GHz, Single-Unit Configuration
Order Information	
YNA-3674-110-A	Vector Network Analyzer, 10 MHz-110 GHz, Extender-Based Configuration with separate controller and 1.0 mm extender modules
YNA-3674-120-A	Vector Network Analyzer, 10 MHz-120 GHz, Extender-Based Configuration with separate controller and 1.0 mm extender modules

Standard Configuration

Configuration:

Item 1: Power Cord Assembly, 1 included, Standard three-core power cord.

Item 2: USB Mouse, 1 included.

Item 3: Quick Operation Guide, 1 included.

Item 4: Certificate of Conformity, 1 included.

Aluminum Alloy Box, quantity 1, For transportation.

Functions

Model / Option	Description
Functions	
YNA-3674-006	English Version Option, English front and rear panels and an English operating system.
YNA-3674-007	Linux Operating System, Configures the Linux operating system to replace the Windows operating system.
Functions	
YNA-3674-009	2-Port Millimeter-Wave Test Set. Used to expand the frequency of a vector network analyzer for two-port operation. Requires: Option YNA-3674-S20.
YNA-3674-010	4-Port Millimeter-Wave Test Set. Used for vector network analyzer frequency expansion to four-port operation. Requires: Option YNA-3674-S20.
YNA-3674-011	110 GHz Coaxial Frequency Extender. Achieves coaxial S parameter measurement from 10 MHz to 110 GHz. Choose 2 modules for a 2-port configuration or 4 modules for a 4-port configuration. 2-Port Requires: Option YNA-3674-009 + YNA-3674-S20. 4-Port Requires: the selected model's Four-Port Measurement option + YNA-3674-010 + YNA-3674-S20.
Functions	
YNA-3674-S05	S-Parameter Signal Integrity Analysis Function. Frequency-domain, time-domain TDR, and crosstalk signal integrity characteristics can automatically convert the graph curve into a test report. For the full range.
YNA-3674-S07	Automatic Fixture Removal Function (AFR), For automatic testing and removal of single-ended and balanced-device measuring fixtures, For the full range.
YNA-3674-S10	Time Domain Measurement Function, Determines and analyzes discontinuous positions in devices, fixtures, or cables, For the full range.
YNA-3674-S11	Advanced Time Domain Analysis Function. For TDR time-domain impedance testing and eye-map analysis. For the full range.

Model / Option	Description
YNA-3674-S16	True Differential Measurement Function. For real differential-mode and common-mode excitation balanced-parameter measurements on YNA-3674-9, YNA-3674-14, YNA-3674-20, YNA-3674-26.5, YNA-3674-32, YNA-3674-44, YNA-3674-50, YNA-3674-53, and YNA-3674-67. Requires the selected model's Four-Port Measurement and Configurable Test Set options, and YNA-3674-S28.
YNA-3674-S18	Fast CW Sweep Function. Data is read immediately using the FIFO buffer method. For the full range.
YNA-3674-S20	Frequency Offset Function, For frequency offset measurements, For the full range.
YNA-3674-S22	Mixer/Converter Scalar Measurement. For mixer scalar parameter measurement on YNA-3674-9, YNA-3674-14, YNA-3674-20, YNA-3674-26.5, YNA-3674-32, YNA-3674-44, YNA-3674-50, YNA-3674-53, and YNA-3674-67. Requires: Option YNA-3674-S20.
YNA-3674-S24	Embedded LO Frequency Converter Measurement, For embedded local-oscillator converter measurement on YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5 / YNA-3674-32 / YNA-3674-44 / YNA-3674-50 / YNA-3674-53 / YNA-3674-67. 2-Port Requires: Option YNA-3674-9-204 / YNA-3674-14-204 / YNA-3674-20-204 / YNA-3674-26.5-204 / YNA-3674-32-204 / YNA-3674-44-204 / YNA-3674-50-204 / YNA-3674-53-204 / YNA-3674-67-204 + YNA-3674-S20, 4-Port Requires: Option YNA-3674-9-404 / YNA-3674-14-404 / YNA-3674-20-404 / YNA-3674-26.5-404 / YNA-3674-32-404 / YNA-3674-44-404 / YNA-3674-50-404 / YNA-3674-53-404 / YNA-3674-67-404 + YNA-3674-S20, Either YNA-3674-S22 or YNA-3674-9-023 / YNA-3674-14-023 / YNA-3674-20-023 / YNA-3674-26.5-023 / YNA-3674-32-023 / YNA-3674-44-023 / YNA-3674-50-023 / YNA-3674-53-023 / YNA-3674-67-023 is required.
YNA-3674-S26	Gain Compression Measurement. Gain compression measurement for active devices such as amplifiers. For YNA-3674-9, YNA-3674-14, YNA-3674-20, YNA-3674-26.5, YNA-3674-32, YNA-3674-44, YNA-3674-50, YNA-3674-53, and YNA-3674-67.
YNA-3674-S28	Phase-Scan Measurement, For phase-scan measurements on YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5 / YNA-3674-32 / YNA-3674-44 / YNA-3674-50 / YNA-3674-53 / YNA-3674-67. Requires Option YNA-3674-9-400 / YNA-3674-14-400 / YNA-3674-20-400 / YNA-3674-26.5-400 / YNA-3674-32-400 / YNA-3674-44-400 / YNA-3674-50-400 / YNA-3674-53-400 / YNA-3674-67-400.

Model / Option	Description
YNA-3674-S29	Differential I/Q Measurement. Measures conversion loss or gain, LO feedthrough, local-oscillator isolation, differential harmonics, total harmonic distortion, and image rejection under differential or I/Q excitation. Supports customizable phase, power, and frequency parameters. For YNA-3674-9, YNA-3674-14, YNA-3674-20, YNA-3674-26.5, YNA-3674-32, YNA-3674-44, YNA-3674-50, YNA-3674-53, and YNA-3674-67. Requires the selected model's Four-Port Measurement option, YNA-3674-S20, and YNA-3674-S28.

YNA-3674-110-A - Vector Network Analyzer (10 MHz ~ 110 GHz) With Separate Controller and 1.0mm Extender Modules

YNA-3674-110-A - Vector Network Analyzer, 10 MHz to 110 GHz, with separate controller and 1.0 mm extender modules. YNA-3674-120-A - Vector Network Analyzer, 10 MHz to 120 GHz, with separate controller and 1.0 mm extender modules.



Frequency-Extension Hardware

Item 4: YNA-3674-010 4-port Millimeter Wave Test Set: It is used for the frequency expansion of vector network analyzer to realize the expansion function of four-port vector network analyzer. Requires: Option YNA-3674-S20.

Item 3: 110GHz Coaxial Frequency Extender Modules YNA-3674-011 (Quantity 2)
YNA-3674-011 (Quantity 4)



Order Information

Model / Option	Description
Frequency-Extension Cables	
YNA-3674-041	1 mm coaxial extender is 1.2m module
YNA-3674-042	Millimeter-Wave Test Set-to-Waveguide Frequency Extender Bundle Cable. Interconnects the millimeter-wave test set and waveguide frequency extender modules. A 2-port configuration requires 2 cables; a 4-port configuration requires 4 cables.
YNA-3674-043	Frequency extension frequency module. System cable
YNA-3674-044	Frequency extension frequency module. System cable
YNA-3674-045	Frequency extension frequency module. System cable
Order Information	
YNA-3674-110-046	1.0 mm Coaxial Cable Set, 100 mm, One 1.0 mm male-to-female coaxial cable and one 1.0 mm female-to-female coaxial cable, Length: 100 mm.
YNA-3674-110-047	1.0 mm Coaxial Cable Set, 200 mm, One 1.0 mm male-to-female coaxial cable and one 1.0 mm female-to-female coaxial cable, Length: 200 mm.
YNA-3674-110-048	1.0 mm Coaxial Cable Set, 300 mm, One 1.0 mm male-to-female coaxial cable and one 1.0 mm female-to-female coaxial cable, Length: 300 mm.
Order Information	
YNA-3674-061	Extension table for test desktop extension for the test, length and width =500 mm * 350 mm.
YNA-3674-062	Rack-Mount Kit, Dedicated kit installed in the cabinet.
YNA-3674-063	Paper User Manual, Detailed user manual in paper form.
Order Information	
31101	N-Type 50 ohm mechanical calibration for VNA calibration (DC~18 GHz)
31121A	3.5 mm mechanical calibration for VNA calibration (DC~6 GHz)
31121	3.5 mm mechanical calibration for VNA calibration (DC~26.5 GHz)
20202	3.5 mm mechanical calibration for VNA calibration (DC~9 GHz)
31123	2.4 mm mechanical calibration for VNA calibration (DC~40 GHz)
31123A	2.4 mm mechanical calibration for VNA calibration (DC~50 GHz)
20209LB	1.82 mm mechanical calibration for VNA calibration (DC~67 GHz)
Two-Port Electronic Calibration Kits	
20402D	N-Type 2-Port Electronic Calibration Kit. For VNA calibration from 100 kHz to 18 GHz.

Model / Option	Description
20402E	3.5 mm 2-Port Electronic Calibration Kit, For VNA calibration from 10 MHz to 26.5 GHz.
20402F	2.92 mm 2-Port Electronic Calibration Kit, For VNA calibration from 10 MHz to 40 GHz.
20402H	2.4 mm 2-Port Electronic Calibration Kit, For VNA calibration from 10 MHz to 50 GHz.
20402L	1.85 mm 2-Port Electronic Calibration Kit, For VNA calibration from 10 MHz to 67 GHz.
Four-Port Electronic Calibration Kits	
20404D	N-Type 4-Port Electronic Calibration Kit. For VNA calibration from 100 kHz to 18 GHz.
20404E	3.5 mm 4-Port Electronic Calibration Kit, For VNA calibration from 10 MHz to 26.5 GHz.
20404F	2.92 mm 4-Port Electronic Calibration Kit, For VNA calibration from 10 MHz to 40 GHz.
20404H	2.4 mm 4-Port Electronic Calibration Kit, For VNA calibration from 10 MHz to 50 GHz.
20404L	1.85 mm 4-Port Electronic Calibration Kit. For VNA calibration from 10 MHz to 67 GHz.
Order Information	
FB0HA0HB025.0	Phase stable cable, testing port (3.5 mm -male) 3.5 mm gore test cable suitable for YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5
FB0HA0HC025.0	Phase stable cable, testing port (3.5 mm -female) 3.5 mm gore test cable suitable for YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5
87308	Phase stable cable, testing port (3.5 mm -male) 3.5 mm test cable suitable for YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5
87308A	Phase stable cable, testing port (test end 3.5 mm -female), suitable 3.5 mm test cable for YNA-3674-9 / YNA-3674-14 / YNA-3674-20 / YNA-3674-26.5
Order Information	
FE0BN0BM025.0	Phase stable cable, testing port (2.4 mm -male) 2.4 mm gore test cable suitable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50
FE0BN0BL025.0	Phase stable cable, testing port (2.4 mm -female) 2.4 mm gore test cable suitable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50
FE0BN0AH025.0	Phase stable cable, testing port (N-Type) 2.4 mm-N-Type gore suitable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50

Model / Option	Description
FE0BN0AL025.0	Phase stable cable, testing port (N-Type -female at the test end) the 2.4 mm-N-Type suitable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50
FE0BN0HB025.0	Phase stable cable, testing port (3.5 mm -male) 2.4 mm-3.5mm gore suitable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50
FE0BN0HC025.0	Phase stable cable, testing port (test end 3.5 mm -female) 2.4 mm-3.5mm gore suitable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50
FE0BN0HR025.0	Phase stable cable, testing port (test end 2.92 mm -male) 2.4 mm-2.92mm gore suitable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50
87308HA	Phase stable cable, testing port (test end 2.4 mm -female), suitable 2.4 mm test cable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50
87308HB	Phase stable cable, testing port (2.4 mm -male) 2.4 mm test cable suitable for YNA-3674-32 / YNA-3674-44 / YNA-3674-50
Order Information	
FF0CN0CM025.0	Phase stable cable, testing port (1.85 mm -male) 1.85 mm gore test suitable for YNA-3674-53 / YNA-3674-67
FF0CN0CL025.0	Phase stable cable, testing port (test end 1.85 mm -female), suitable 1.85 mm gore test for YNA-3674-53 / YNA-3674-67
87302NN	1.85 mm Phase-Stable Test Cable, female test end.
87302NM	Phase stable cable, testing port (1.85 mm -male)
Order Information	
87233C	USB cw power sensor 8 kHz-12 GHz, -70 dBm-+20 dBm USB cw power sensor
87233D	USB CW Power Sensor, 10 MHz to 18 GHz, -70 dBm to +20 dBm.
87233E	USB CW Power Sensor, 50 MHz to 26.5 GHz, -70 dBm to +20 dBm.
87233F	USB CW Power Sensor, 50 MHz to 40 GHz, -70 dBm to +20 dBm.
87233L	USB CW Power Sensor, 50 MHz to 67 GHz, -55 dBm to +20 dBm.
Order Information	
87235B	USB Average Power Sensor, 8 kHz to 8 GHz, -70 dBm to +26 dBm.
87235C	USB Average Power Sensor, 10 MHz-8 GHz, -60 dBm to +23 dBm.
87235D	USB Average Power Sensor, 10 MHz to 18 GHz, -70 dBm to +26 dBm.
87235F	USB Average Power Sensor, 10 MHz to 33 GHz, -65 dBm to +26 dBm.
87235FA	USB Average Power Sensor, 10 MHz to 40 GHz, -65 dBm to +26 dBm.

Model / Option	Description
87235H	USB Average Power Sensor, 10 MHz to 50 GHz, -65 dBm to +23 dBm.
87235L	USB Average Power Sensor, 50 MHz to 67 GHz, -60 dBm to +23 dBm.
BNC Noise Sources	
16613DA	BNC noise source 10 MHz-18 GHz, ENR 5 dB-8 dB BNC interface
16613DB	BNC noise source 10 MHz-18 GHz, ENR 14 dB-17 dB traditional noise
16613EA	BNC noise source 10 MHz-26.5 GHz, ENR 5 dB-8 dB source
16613EB	BNC Noise Source, 10 MHz to 26.5 GHz, ENR 12 dB to 17 dB.
16613FB	BNC Noise Source, 10 MHz to 40 GHz, ENR 12 dB to 19 dB.
Order Information	
16615DA	USB noise source 10 MHz-18 GHz, ENR 5 dB-8 dB USB noise source
16615DB	USB Noise Source, 10 MHz to 18 GHz, ENR 14 dB to 17 dB.
16615EA	USB Noise Source, 10 MHz to 26.5 GHz, ENR 5 dB to 8 dB.
16615EB	USB Noise Source, 10 MHz to 26.5 GHz, ENR 12 dB to 17 dB.
16615FB	USB Noise Source, 10 MHz to 40 GHz, ENR 12 dB to 19 dB.
16615HB	USB Noise Source, 10 MHz to 50 GHz, ENR 10 dB to 19 dB.
16615LC	USB Noise Source, 10 MHz to 67 GHz, ENR 7 dB to 23 dB.
Order Information	
87601	Microwave coaxial adapter package (N-Type interface converted to 3.5 mm, assistant (type-n) 2.4 mm interface, etc.)
87601A	Microwave coaxial adapter package (3.5 mm interface converted to N-Type, assistant (3.5 mm) 2.4 mm interface, etc.)
87601B	Microwave coaxial adapter package (2.92 mm interface converted to 2.4 mm assistant (2.92 mm) interface, etc.)
87601C	2.4 mm Microwave Coaxial Adapter Set, Converts 2.4 mm to N-Type, 3.5 mm, 2.92 mm, 1.85 mm, and related interfaces.

Multi-port Extension Controller

YNA-3674-26.5-018 Multi-port
Extension Controller

YNA-3674-32-018 Multi-port
Extension Controller

YNA-3674-44-018 Multi-port
Extension Controller

YNA-3674-50-018 Multi-port
Extension Controller

YNA-3674-53-018 Multi-port
Extension Controller



Order Information

Model / Option	Description
YNA-3674-9 Options	
YNA-3674-9-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-9-201 + YNA-3674-9-204. 4-Port Requires: Option YNA-3674-9-401 + YNA-3674-9-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-9-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-9-023	Mixer/Converter Vector Measurement, For mixer-based vector parameter measurement, Requires: Option YNA-3674-9-400 + YNA-3674-9-404 + YNA-3674-S20.
YNA-3674-9-201	2-port programmable step attenuator, 2-70 dB step attenuators for source path and 2 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-9-204.
YNA-3674-9-203	2-port 500 Hz low-frequency expansion Requires: Option YNA-3674-9-204, YNA-3674-9-205 cannot be configured at the same time.
YNA-3674-9-204	Configurable test set panel jumper, and can use a , b, r1, r2 receiver
YNA-3674-9-205	2-port T-Type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-9-201+ YNA-3674-9-204, YNA-3674-9-203 cannot be configured at the same time.
YNA-3674-9-400	4-Port Measurement. Dual-source excitation four-port vector network analyzer configuration with a frequency range of 10 MHz to 9 GHz.

Model / Option	Description
YNA-3674-9-401	4-port programmable step attenuator, 4-70 dB step attenuators for source path and 4 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-9-400 + YNA-3674-9-404.
YNA-3674-9-403	4-port 500 Hz low-frequency expansion Requires: Option YNA-3674-9-400 + YNA-3674-9-404, YNA-3674-9-405 cannot be configured at the same time.
YNA-3674-9-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-9-400.
YNA-3674-9-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.
Order Information	
YNA-3674-14-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-14-201 + YNA-3674-14-204. 4-Port Requires: Option YNA-3674-14-401 + YNA-3674-14-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-14-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-14-023	Mixer/converter vector for the mixer-based vector parameter measurement. Measurement Requires: Option YNA-3674-14-400 + YNA-3674-14-404 + YNA-3674-S20.
YNA-3674-14-201	2-port programmable step attenuator, 2-70 dB step attenuators for source path and 2 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-14-204.
YNA-3674-14-203	2-port 500 Hz low-frequency expansion Requires: Option YNA-3674-14-204. YNA-3674-14-205 cannot be configured at the same time.
YNA-3674-14-204	Configurable test set panel jumper, and can use a , b, r1, r2 receiver
YNA-3674-14-205	2-port T-Type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-14-201 + YNA-3674-14-204 YNA-3674-14-203 cannot be configured at the same time.
YNA-3674-14-400	4-Port Measurement, Dual-source excitation four-port vector network analyzer configuration with a frequency range of 10 MHz to 14 GHz.
YNA-3674-14-401	4-port programmable step attenuator, 4-70 dB step attenuators for source path and 4 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-14-400 + YNA-3674-14-404.
YNA-3674-14-402	Active intermodulation distortion measurement measurement. Requires: Option YNA-3674-14-400 + YNA-3674-14-404 + YNA-3674-S20.

Model / Option	Description
YNA-3674-14-403	4-port 500 Hz low-frequency expansion Requires: Option YNA-3674-14-400 + YNA-3674-14-404. YNA-3674-14-405 cannot be configured at the same time.
YNA-3674-14-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-14-400.
YNA-3674-14-405	4-port t type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-14-400 + YNA-3674-14-401 + YNA-3674-14-404. YNA-3674-14-403 cannot be configured at the same time.
YNA-3674-14-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.
Order Information	
YNA-3674-20-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-20-201 + YNA-3674-20-204. 4-Port Requires: Option YNA-3674-20-401 + YNA-3674-20-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-20-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-20-023	Mixer/Converter Vector Measurement, For mixer-based vector parameter measurement, Requires: Option YNA-3674-20-400 + YNA-3674-20-404 + YNA-3674-S20.
YNA-3674-20-201	2-port programmable step attenuator, 2-70 dB step attenuators for source path and 2 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-20-204.
YNA-3674-20-203	2-port 500 Hz low-frequency expansion Requires: Option YNA-3674-20-204, YNA-3674-20-205 cannot be configured at the same time.
YNA-3674-20-204	Configurable test set panel jumper, and can use a , b, r1, r2 receiver
YNA-3674-20-205	2-port T-Type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-20-201 + YNA-3674-20-204, YNA-3674-20-203 cannot be configured at the same time.
YNA-3674-20-400	4-port measurement configuration with a frequency range of 10 MHz to 20 GHz.
YNA-3674-20-401	4-port programmable step attenuator, 4-70 dB step attenuators for source path and 4 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-20-400 + YNA-3674-20-404.
YNA-3674-20-402	Active Intermodulation Distortion Measurement, For active intermodulation distortion signal measurement, Requires: Option YNA-3674-20-400 + YNA-3674-20-404 + YNA-3674-S20.

Model / Option	Description
YNA-3674-20-403	4-Port 500 Hz Low-Frequency Expansion. Extends the four-port model test frequency to 500 Hz. Requires: Option YNA-3674-20-400 + YNA-3674-20-404. YNA-3674-20-405 cannot be configured at the same time.
YNA-3674-20-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-20-400.
YNA-3674-20-405	4-port t type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-20-400 + YNA-3674-20-401 + YNA-3674-20-404. YNA-3674-20-403 cannot be configured at the same time.
YNA-3674-20-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.

Order Information

YNA-3674-26.5-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-26.5-201 + YNA-3674-26.5-204. 4-Port Requires: Option YNA-3674-26.5-401 + YNA-3674-26.5-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-26.5-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-26.5-018	Multi-port extension controller
YNA-3674-26.5-023	Mixer/Converter Vector Measurement, For mixer-based vector parameter measurement, Requires: Option YNA-3674-26.5-400 + YNA-3674-26.5-404 + YNA-3674-S20.
YNA-3674-26.5-201	2-port programmable step attenuator, 2-70 dB step attenuators for source path and 2-35 dB step attenuators for receiver path. Requires: Option YNA-3674-26.5-204.
YNA-3674-26.5-203	2-port 500 Hz low-frequency expansion Requires: Option YNA-3674-26.5-204, YNA-3674-26.5-205 cannot be configured at the same time.
YNA-3674-26.5-204	Configurable test set panel jumper, and can use a , b, r1, r2 receiver
YNA-3674-26.5-205	2-port T-Type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-26.5-201 + YNA-3674-26.5-204, YNA-3674-26.5-203 cannot be configured at the same time.
YNA-3674-26.5-400	4-port measurement analyzer configuration with frequency range 10 MHz~26.5 GHz.
YNA-3674-26.5-401	4-port programmable step attenuator, 4-70 dB step attenuators for source path and 4 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-26.5-400 + YNA-3674-26.5-404.
YNA-3674-26.5-402	Active Intermodulation Distortion Measurement, For active intermodulation distortion signal measurement, Requires: Option YNA-3674-26.5-400 + YNA-3674-26.5-404 + YNA-3674-S20.

Model / Option	Description
YNA-3674-26.5-403	4-port 500 Hz low-frequency expansion Requires: Option YNA-3674-26.5-400 + YNA-3674-26.5-404, YNA-3674-26.5-405 cannot be configured at the same time.
YNA-3674-26.5-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-26.5-400.
YNA-3674-26.5-405	4-port t type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-26.5-400 + YNA-3674-26.5-401 + YNA-3674-26.5-404, YNA-3674-26.5-403 cannot be configured at the same time.
YNA-3674-26.5-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.
Order Information	
YNA-3674-32-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-32-201 + YNA-3674-32-204. 4-Port Requires: Option YNA-3674-32-401 + YNA-3674-32-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-32-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-32-018	Multi-port extension controller
YNA-3674-32-023	Mixer/Converter Vector Measurement, For mixer-based vector parameter measurement, Requires: Option YNA-3674-32-400 + YNA-3674-32-404 + YNA-3674-S20.
YNA-3674-32-201	2-port programmable step attenuator, 2-60 dB step attenuators for source path and 2-35 dB step attenuators for receiver path. Requires: Option YNA-3674-32-204.
YNA-3674-32-203	2-port 500 Hz low-frequency expansion Requires: Option YNA-3674-32-204, YNA-3674-32-205 can not be configured at the same time.
YNA-3674-32-204	Configurable test set panel jumper, and can use a , b, r1, r2 receiver
YNA-3674-32-205	2-port T-Type bias-tees 2 T-Type biasing devices are configured internally for 30 the port output DC offset voltage. Requires: Option YNA-3674-32-201 + YNA-3674-32-204, YNA-3674-32-203 cannot be configured at the same time.
YNA-3674-32-400	4-port measurement analyzer configuration with a frequency range of 10 MHz to 32 GHz.
YNA-3674-32-401	4-port programmable step attenuator, 4-60 dB step attenuators for source path and 4 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-32-400 + YNA-3674-32-404.

Model / Option	Description
YNA-3674-32-402	Active Intermodulation Distortion Measurement, For active intermodulation distortion signal measurement, Requires: Option YNA-3674-32-400 + YNA-3674-32-404 + YNA-3674-S20.
YNA-3674-32-403	4-Port 500 Hz Low-Frequency Expansion. Extends the four-port model test frequency to 500 Hz. Requires: Option YNA-3674-32-400 + YNA-3674-32-404. YNA-3674-32-405 cannot be configured at the same time.
YNA-3674-32-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-32-400.
YNA-3674-32-405	4-port t type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-32-400 + YNA-3674-32-401 + YNA-3674-32-404, YNA-3674-32-403 cannot be configured at the same time.
YNA-3674-32-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.
Order Information	
YNA-3674-44-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-44-201 + YNA-3674-44-204. 4-Port Requires: Option YNA-3674-44-401 + YNA-3674-44-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-44-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-44-018	Multi-port extension controller
YNA-3674-44-023	Mixer/Converter Vector Measurement, For mixer-based vector parameter measurement, Requires: Option YNA-3674-44-400 + YNA-3674-44-404 + YNA-3674-S20.
YNA-3674-44-201	2-port programmable step attenuator, 2-60 dB step attenuators for source path and 2-35 dB step attenuators for receiver path. Requires: Option YNA-3674-44-204.
YNA-3674-44-203	2-port 500 Hz low-frequency expansion Requires: Option YNA-3674-44-204, YNA-3674-44-205 cannot be configured at the same time.
YNA-3674-44-204	Configurable test set panel jumper, and can use a , b, r1, r2 receiver
YNA-3674-44-205	2-port T-Type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-44-201+ YNA-3674-44-204, YNA-3674-44-203 cannot be configured at the same time.
YNA-3674-44-400	4-Port Measurement, Dual-source excitation four-port vector network analyzer configuration with a frequency range of 10 MHz to 44 GHz.
YNA-3674-44-401	4-port programmable step attenuator, 4-60 dB step attenuators for source path and 4 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-44-400 + YNA-3674-44-404.

Model / Option	Description
YNA-3674-44-403	4-Port 500 Hz Low-Frequency Expansion. Extends the four-port model test frequency to 500 Hz. Requires: Option YNA-3674-44-400 + YNA-3674-44-404. YNA-3674-44-405 cannot be configured at the same time.
YNA-3674-44-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-44-400.
YNA-3674-44-405	4-port t type bias-tees for the port output DC offset voltage. Requires: Option YNA-3674-44-400 + YNA-3674-44-401 + YNA-3674-44-404, YNA-3674-44-403 cannot be configured at the same time.
YNA-3674-44-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.
Order Information	
YNA-3674-50-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-50-201 + YNA-3674-50-204. 4-Port Requires: Option YNA-3674-50-401 + YNA-3674-50-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-50-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-50-018	Multi-port extension controller
YNA-3674-50-023	Mixer/Converter Vector Measurement, For mixer-based vector parameter measurement, Requires: Option YNA-3674-50-400 + YNA-3674-50-404 + YNA-3674-S20.
YNA-3674-50-201	2-port programmable step attenuator, 2-60 dB step attenuators for source path and 2-35 dB step attenuators for receiver path. Requires: Option YNA-3674-50-204.
YNA-3674-50-203	2-Port 500 Hz Low-Frequency Expansion. Extends the two-port model test frequency to 500 Hz. Requires: Option YNA-3674-50-204. YNA-3674-50-205 cannot be configured at the same time.
YNA-3674-50-204	Configurable test set panel jumper, and can use a , b, r1, r2 receiver
YNA-3674-50-205	2-port T-Type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-50-201 + YNA-3674-50-204, YNA-3674-50-203 cannot be configured at the same time.
YNA-3674-50-400	4-Port Measurement. Dual-source excitation four-port vector network analyzer configuration with a frequency range of 10 MHz to 50 GHz.
YNA-3674-50-401	4-port programmable step attenuator, 4-60 dB step attenuators for source path and 4 step attenuators, 35 dB for receiver path. Requires: Option YNA-3674-50-400 + YNA-3674-50-404.
YNA-3674-50-402	Active Intermodulation Distortion Measurement, For active intermodulation distortion signal measurement, Requires: Option YNA-3674-50-400 + YNA-3674-50-404 + YNA-3674-S20.

Model / Option	Description
YNA-3674-50-403	4-port 500 Hz low-frequency expansion Requires: Option YNA-3674-50-400 + YNA-3674-50-404, YNA-3674-50-405 cannot be configured at the same time.
YNA-3674-50-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-50-400.
YNA-3674-50-405	4-port t type bias-tees Requires: Option YNA-3674-50-400 + YNA-3674-50-401 + YNA-3674-50-404. YNA-3674-50-403 cannot be configured at the same time.
YNA-3674-50-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.
Order Information	
YNA-3674-53-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-53-201 + YNA-3674-53-204. 4-Port Requires: Option YNA-3674-53-401 + YNA-3674-53-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-53-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-53-018	Multi-port extension controller
YNA-3674-53-023	Mixer/Converter Vector Measurement, For mixer-based vector parameter measurement, Requires: Option YNA-3674-53-400 + YNA-3674-53-404 + YNA-3674-S20.
YNA-3674-53-201	2-port programmable step and 2-50 dB programmed step attenuators for receiver attenuator path, 2-50 dB programmed step attenuators for source path. Requires: Option YNA-3674-53-204.
YNA-3674-53-203	2-port 500 Hz low-frequency expansion Requires: Option YNA-3674-53-204, YNA-3674-53-205 cannot be configured at the same time.
YNA-3674-53-204	Configurable test set panel jumper, and can use a , b, r1, r2 receiver
YNA-3674-53-205	2-port T-Type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-53-201 + YNA-3674-53-204, YNA-3674-53-203 cannot be configured at the same time.
YNA-3674-53-400	4-port measurement analyzer configuration with a frequency range of 10 MHz to 53 GHz.
YNA-3674-53-401	4-port programmable and 4-50 dB programmed step attenuators for receiver step attenuator path, 4-50 dB programmed step attenuators for source path. Requires: Option YNA-3674-53-400 + YNA-3674-53-404.
YNA-3674-53-402	Active Intermodulation Distortion Measurement, For active intermodulation distortion signal measurement, Requires: Option YNA-3674-53-400 + YNA-3674-53-404 + YNA-3674-S20.

Model / Option	Description
YNA-3674-53-403	4-port 500 Hz low-frequency expansion Requires: Option YNA-3674-53-400+YNA-3674-53-404, YNA-3674-53-405 cannot be configured at the same time.
YNA-3674-53-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-53-400.
YNA-3674-53-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.

Order Information

YNA-3674-67-003	Noise Figure Measurement. For accurate measurement of S parameters, noise coefficient, and noise parameters. 2-Port Requires: Option YNA-3674-67-201 + YNA-3674-67-204. 4-Port Requires: Option YNA-3674-67-401 + YNA-3674-67-404. Two-port electronic calibrators and ordinary noise sources need to be purchased separately.
YNA-3674-67-008	Pulse Measurement, For the S parameter measurement in the pulse state, ports 1 and 3 output the pulse modulation signal.
YNA-3674-67-201	2-port programmable step attenuator, 2-50 dB step attenuators for source path and 2-50 dB step attenuators for receiver path. Requires: Option YNA-3674-67-204.
YNA-3674-67-203	2-port 500 Hz low-frequency expansion Requires: Option YNA-3674-67-204,YNA-3674-67-205 cannot be configured at the same time.
YNA-3674-67-204	Configurable test set panel jumper, and can use a , b, r1 , r2 receiver
YNA-3674-67-205	2-Port T-Type Bias Tees, Two T-type biasing devices are configured internally for the port output DC offset voltage, Requires: Option YNA-3674-67-201 + YNA-3674-67-204, YNA-3674-67-203 cannot be configured at the same time.
YNA-3674-67-400	4-port measurement analyzer configuration with a frequency range of 10 MHz to 67 GHz.
YNA-3674-67-401	4-port programmable step attenuator, 4-50 dB step attenuators for source path and 4-50 dB step attenuators for receiver path. Requires: Option YNA-3674-67-400 + YNA-3674-67-404.
YNA-3674-67-402	Active Intermodulation Distortion Measurement, For active intermodulation distortion signal measurement, Requires: Option YNA-3674-67-400 + YNA-3674-67-404 + YNA-3674-S20.
YNA-3674-67-403	4-Port 500 Hz Low-Frequency Expansion. Extends the four-port model test frequency to 500 Hz. Requires: Option YNA-3674-67-400 + YNA-3674-67-404. YNA-3674-67-405 cannot be configured at the same time.
YNA-3674-67-404	Configurable test set panel jumper, and can independently use a , b, c, d, r1, r2, r3, r4 receivers. Requires: Option YNA-3674-67-400.

Model / Option	Description
YNA-3674-67-405	4-port t type bias-tees the port output DC offset voltage. Requires: Option YNA-3674-67-400 + YNA-3674-67-401 + YNA-3674-67-404, YNA-3674-67-403 cannot be configured at the same time.
YNA-3674-67-S30	Spectrum Analysis Function, Used to provide a multichannel spectrum testing function.
Order Information	
YNA-3674-90-400	4-Port Measurement Option, Dual-source excitation four-port vector network analyzer configuration with a frequency range of 10 MHz to 90 GHz.

XGY Pty Ltd

Sydney Engineering Centre
Email: info@xgytek.com | Web: www.xgytek.com

Specifications are subject to change without notice.