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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69155A Synthesized Sweep Generator, 0.01 GHz to 65.0 GHz

Anritsu 69155A Synthesized Sweep Generator 0.5 to 26.5 GHz The Anritsu/Wiltron 69155A is a 69A Series synthesized sweep generator covering 0.5 GHz to 26.5 GHz. It provides analog, step, and manual sweeps with ultra-low-noise CW spectral purity for network analysis and swept ATE. Modulation is external/path limited versus 69200A/69300A signal models in the same suffix band. The Anritsu/Wiltron 69155A is a 69A Series synthesized sweep generator covering 0.5 GHz to 26.5 GHz. It provides analog, step, and manual sweeps with ultra-low-noise CW spectral purity for network analysis and swept ATE. Modulation is external/path limited versus 69200A/69300A signal models in the same suffix band.



MODEL

Anritsu 69155A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69155A

LISTING

<https://aumictechlabs.com/products/69155a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 69155A is a synthesized sweep generator delivering precise signal generation across 0.01 GHz to 65.0 GHz. Built for broadband microwave and communication system testing, it combines excellent phase noise performance with flexible sweep control - analog, step, and manual modes - making it suitable for laboratory and automated test equipment integration. The instrument supports programmable frequency agility with storage and addressing of up to 1000 non-sequential frequencies for phase-locked step sweeps under GPIB control. Technical

Specifications Frequency Range: 0.01 GHz to 65.0 GHz Output Impedance: 50 Ω Phase Noise: Excellent performance across the band Power Resolution: 0.01 dB (referenced specification)Key Features Synthesized sweep architecture for frequency stability and agility Multiple sweep modes: analog, step, and manual Programmable frequency memory: 1000 non-sequential frequencies Phase-locked step sweep capability via GPIB control GPIB (IEEE-488) interface for remote automation and system integration SCPI and native command support for flexible instrument control 16-signal-line GPIB bus architecture for multi-device test systemsTypical Applications Broadband microwave system characterization Communication subsystem testing and validation Component and subsystem RF performance measurement Laboratory signal source applications requiring wide frequency coverageCompatibility & Integration The 69155A integrates into automated test equipment (ATE) systems and laboratory setups via standard GPIB interfaces. SCPI command set enables remote control and data logging. Native command support provides series-specific functionality. Standard 50 Ω RF connectors accommodate typical microwave test configurations.

Features & description

From manufacturer datasheet

Features

- Synthesized sweep coverage 0.5 to 26.5 GHz

Applications

- Swept frequency stimulus 0.5 to 26.5 GHz

69155A Characteristics / Specifications

PARAMETER	VALUE
Model	69155A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep Generator
Alias	69155A; Anritsu 69155A; Wiltron 69155A
Frequency range	0.5 GHz to 26.5 GHz
Family	69A Series ultra low noise
Output power resolution	0.01 dB
Source impedance	50 ohm nominal
Source SWR internal leveling below 2 GHz	less than 1.7 typical
Source SWR 2 to 20 GHz	less than 1.6 typical
Source SWR above 20 GHz	less than 2.0 typical
Power level stability vs temperature	0.04 dB/degCtypical
Internal leveling	yes at output connector
RF on off	yes
Level offset	yes
CW frequency resolution standard	1 kHz class
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2×10^{-8} /day class
Residual FM 0.5 to 1.0 GHz class	less than 10 Hz RMS
Residual FM 1.0 to 2.2 GHz class	less than 20 Hz RMS
Residual FM 2.2 to 20 GHz class	less than 40 Hz RMS
Step attenuator option to 26.5 GHz	Option 2A 110 dB
Step attenuator option to 40 GHz	Option 2B 110 dB
Step attenuator option to 50 GHz	Option 2C 90 dB
Step attenuator option to 60 GHz	Option 2D 90 dB

PARAMETER	VALUE
Rack mount option	Option 1
Remote control	GPIB
Leveled output power 0.5 to 2.2 GHz class	+13 dBm
Leveled output power greater than 2.2 to 20 GHz class	+13 dBm
Leveled output power greater than 20 to 26.5 GHz class	+10 dBm
Leveled output with step attenuator 0.5 to 2.2 GHz class	+11 dBm
Leveled output with step attenuator greater than 2.2 to 20 GHz class	+11 dBm
Leveled output with step attenuator greater than 20 to 26.5 GHz class	+7.5 dBm
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s
Step sweep	every frequency step phase locked
Output mode	CW and sweep
Related CW model	69055A
Related signal model	69255A
Related sweep signal model	69355A
Primary use	ultra low noise synthesized sweep to 26.5 GHz Notes Specs from Anritsu/Wiltron 69A Series datasheet tables for 69×55A / 69155A (0.5–26.5 GHz Sweep). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal. Confirm options and calibration label power.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
Model	69155A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep Generator
Specifications	
PARAMETER	VALUE
Alias	69155A; Anritsu 69155A; Wiltron 69155A
Frequency range	0.5 GHz to 26.5 GHz
Family	69A Series ultra low noise
Specifications	
PARAMETER	VALUE
Output power resolution	0.01 dB
Source impedance	50 ohm nominal
Source SWR internal leveling below 2 GHz	less than 1.7 typical
Specifications	
PARAMETER	VALUE
Source SWR 2 to 20 GHz	less than 1.6 typical
Source SWR above 20 GHz	less than 2.0 typical
Power level stability vs temperature	0.04 dB/degCtypical
Specifications	
PARAMETER	VALUE
Internal leveling	yes at output connector
RF on off	yes
Level offset	yes

Specifications

PARAMETER	VALUE
CW frequency resolution standard	1 kHz class
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2×10^{-8} /day class

Specifications

PARAMETER	VALUE
Residual FM 0.5 to 1.0 GHz class	less than 10 Hz RMS
Residual FM 1.0 to 2.2 GHz class	less than 20 Hz RMS
Residual FM 2.2 to 20 GHz class	less than 40 Hz RMS

Specifications

PARAMETER	VALUE
Step attenuator option to 26.5 GHz	Option 2A 110 dB
Step attenuator option to 40 GHz	Option 2B 110 dB
Step attenuator option to 50 GHz	Option 2C 90 dB

Specifications

PARAMETER	VALUE
Step attenuator option to 60 GHz	Option 2D 90 dB
Rack mount option	Option 1
Remote control	GPIB

Leveled output power 0.5 to 2.2 GHz class: +13 dBm

Leveled output power greater than 2.2 to 20 GHz class: +13 dBm

Leveled output power greater than 20 to 26.5 GHz class: +10 dBm

Leveled output with step attenuator 0.5 to 2.2 GHz class: +11 dBm

Leveled output with step attenuator greater than 2.2 to 20 GHz class: +11 dBm

Leveled output with step attenuator greater than 20 to 26.5 GHz class: +7.5 dBm

Specifications

PARAMETER	VALUE
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s
Step sweep	every frequency step phase locked

Specifications

PARAMETER	VALUE
Output mode	CW and sweep
Related CW model	69055A
Related signal model	69255A

Related sweep signal model: 69355A

Primary use: ultra low noise synthesized sweep to 26.5 GHz

Notes

Specs from Anritsu/Wiltron 69A Series datasheet tables for 69x55A / 69155A (0.5–26.5 GHz Sweep). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal. Confirm options and calibration label power.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.