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Data Sheet
August 13, 2026

ANRITSU

Anritsu 69195A Synthesized Sweep Generator, 0.5 to 65 GHz

Anritsu 69195A Synthesized Sweep Generator 0.5 to 65 GHz The Anritsu/Wiltron 69195A is a 69A Series synthesized sweep generator covering 0.5 GHz to 65 GHz. It provides broadband analog and step sweeps for microwave through V-band network analysis as the sweep member of the 69×95A family. The Anritsu/Wiltron 69195A is a 69A Series synthesized sweep generator covering 0.5 GHz to 65 GHz. It provides broadband analog and step sweeps for microwave through V-band network analysis as the sweep member of the 69×95A family.

MODEL **Anritsu 69195A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **69195A**	LISTING **https://aumictechlabs.com/products/69195a-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 69195A is a synthesized sweep generator delivering phase-locked signal generation from 0.5 GHz to 65 GHz. It combines manual and automated sweep modes with multiple modulation formats, making it suitable for RF component characterization, network analysis integration, and production testing environments. The instrument executes stepped frequency sweeps with phase coherence across the full band, supports complex user-defined modulation, and integrates via GPIB for automated test sequences.Technical Specifications Frequency Performance Frequency range: 0.5 GHz to 65 GHz Frequency resolution: 100 kHz minimum in VNA source lock mode Sweep width: 1 kHz to full range; 0.1 Hz available with Option 11 All

frequency steps phase-locked throughout sweep range Sweep speed: Less than 8.5 ms per step in VNA source lock mode Switching time: Less than 15 ms + 1 ms/GHz step size, or less than 40 ms maximum Dwell time per step: 1 ms to 99 seconds, user-variable Output Characteristics Output power: +10 dBm or maximum leveled output power Phase noise: Specified at 10 GHz, 20 GHz, 40 GHz, and 65 GHz carrier frequencies Harmonic content: Second harmonic measured at maximum output power Modulation Capability Internal modulation: AM, FM, phase, and pulse User-downloadable complex modulation supported Seven modulating waveforms availableKey Features Manual sweep mode with user-selectable step count or step size VNA source lock mode for Wiltron 360B Vector Network Analyzer integration Step sweep with phase-locked frequency adjustment Alternate sweep mode: bi-directional sweeps between two ranges with independent power levels Analog frequency sweep with triggering support Three trigger modes: auto, external TTL, and single-sweep with reset position selection GPIB interface supporting SCPI and native Anritsu command setsTypical Applications Network analyzer source operation under external VNA control RF component and subsystem characterization Production test automation via GPIB command sequencing Modulated signal generation for receiver testingCompatibility & Integration GPIB connectivity enables direct integration into automated test systems. VNA source lock mode provides phase-coherent operation when controlled by compatible Wiltron 360B analyzers.

Features & description

From manufacturer datasheet

Features

- Synthesized sweep coverage 0.5 to 65 GHz

Applications

- Broadband swept stimulus 0.5 to 65 GHz

69195A Characteristics / Specifications

PARAMETER	VALUE
Model	69195A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep Generator
Alias	69195A; Anritsu 69195A; Wiltron 69195A
Frequency range	0.5 GHz to 65 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	+12 dBm
Leveled output power greater than 2.2 to 20 GHz class	+10 dBm
Leveled output power greater than 20 to 40 GHz class	+2.5 dBm
Leveled output power greater than 40 to 50 GHz class	0 dBm
Leveled output power greater than 50 to 65 GHz class	-2 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	69095A
Related signal model	69295A
Related sweep signal model	69395A
Primary use	ultra low noise synthesized sweep 0.5 to 65 GHz Notes Specs from Anritsu/Wiltron 69A Series datasheet tables for 69×95A / 69195A (0.5–65 GHz Sweep). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal. ConfirmVconnector and high-band leveled power on label.

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

Specifications

PARAMETER	VALUE
Model	69195A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep Generator

Specifications

PARAMETER	VALUE
Alias	69195A; Anritsu 69195A; Wiltron 69195A
Frequency range	0.5 GHz to 65 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 x 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: +12 dBm

Leveled output power greater than 2.2 to 20 GHz class: +10 dBm

Leveled output power greater than 20 to 40 GHz class: +2.5 dBm

Leveled output power greater than 40 to 50 GHz class: 0 dBm

Leveled output power greater than 50 to 65 GHz class: -2 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	69095A
Related signal model	69295A

Related sweep signal model: 69395A

Primary use: ultra low noise synthesized sweep 0.5 to 65 GHz

Notes

Specs from Anritsu/Wiltron 69A Series datasheet tables for 69x95A / 69195A (0.5–65 GHz Sweep). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal. ConfirmVconnector and high-band leveled power on label.

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

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Generated August 13, 2026