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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69395A Synthesized Sweep/Signal Generator, 0.5 to 65 GHz

Anritsu 69395A Synthesized Sweep/Signal Generator 0.5 to 65 GHz The Anritsu/Wiltron 69395A is an ultra-low-noise synthesized sweep/signal generator covering 0.5 GHz to 65 GHz in the 69A Series. It unifies CW, analog/step sweep, and comprehensive modulation for universal signal requirements through 65 GHz on a single coax output, as the sweep/signal member of the 69×95A family. The Anritsu/Wiltron 69395A is an ultra-low-noise synthesized sweep/signal generator covering 0.5 GHz to 65 GHz in the 69A Series. It unifies CW, analog/step sweep, and comprehensive modulation for universal signal requirements through 65 GHz on a single coax output, as the sweep/signal member of the 69×95A family.



MODEL

Anritsu 69395A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69395A

LISTING

<https://aumictechlabs.com/products/69395a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 69395A is a synthesized sweep/signal generator delivering wide-band RF and microwave signal generation from 0.5 GHz to 65 GHz. Built for precision applications including radar, satellite communications, and component characterization, it combines stable output power with ultra-low phase noise and flexible modulation capabilities. The instrument supports analog, step, and manual sweep modes alongside programmable frequency agility for rapid signal

sequencing in automated test environments.

Technical Specifications

Frequency Range: 0.5 GHz to 65 GHz
Output Power: +17 dBm maximum; -125 dBm minimum
Phase Noise: -100 dBc/Hz SSB at 10 kHz offset from 10 GHz
Frequency Resolution: 0.1 Hz (optional)
Modulation: Internal AM, FM, phase modulation, and pulse modulation; 7 internal waveforms including Gaussian noise; user-downloadable complex modulation

Key Features

Sweep Modes: Analog, step, and manual sweep with alternate sweep capability - sequencing between two independent frequency ranges at different power levels in single operation
Frequency Agility: Programmable access to up to 1000 non-sequential frequencies via GPIB control
Interface: GPIB, USB, and LAN connectivity for remote control and automated integration
Display: High-resolution interface for direct instrument operation
Power Options: AC adapter and battery operation supported

Typical Applications

Local oscillator replacement in receiver chains requiring low-noise, low-spurious performance
Signal simulation and modulation testing across X-, Ku-, and Ka-band frequencies
Automated test equipment integration for high-volume RF component screening
Radar and satellite system characterization
Broadband component analysis and device linearization

Compatibility & Integration

Optional Wiltron 360B VNA compatibility configuration modifies rack-mounting hardware for seamless integration into existing test benches.

Features & description

From manufacturer datasheet

Applications

- CW and swept stimulus 0.5 to 65 GHz

69395A Characteristics / Specifications

PARAMETER	VALUE
Model	69395A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep/Signal Generator
Alias	69395A; Anritsu 69395A
Frequency range	0.5 GHz to 65 GHz
Family	69A Series ultra low noise sweep/signal
Leveled power 0.5 to 2.2 GHz	+11 dBm
Leveled power greater than 2.2 to 20 GHz	+10 dBm
Leveled power greater than 20 to 40 GHz	+2.5 dBm
Leveled power greater than 40 to 50 GHz	0 dBm
Leveled power greater than 50 to 65 GHz	-2 dBm
Leveled power with step attenuator 0.5 to 2.2 GHz	+10 dBm
Leveled power with step attenuator greater than 2.2 to 20 GHz	+8.5 dBm
Leveled power with step attenuator greater than 20 to 40 GHz	0 dBm
Minimum leveled power without attenuator	to -15 dBm (-20 dBm typical)
Minimum leveled power with attenuator high band	to -105 dBm (-110 dBm typical)
Output power resolution	0.01 dB
Frequency resolution standard	1 kHz
Frequency resolution Option	0.1 Hz
Analog sweep time	30 ms to 99 s
Step sweep steps	1 to 10000
SSB phase noise at 10 GHz 10 kHz offset	-100 dBc/Hz class

PARAMETER	VALUE
SSB phase noise at 65 GHz 10 kHz offset	-86 dBc/Hz class
AM bandwidth 3 dB	DC to 50 kHz minimum
Pulse PRF leveled	100 Hz to 5 MHz class
RF output connector	TypeVfemale
Remote control	GPIB
Dimensions	429 mmWx 133 mmHx 597 mmD Mass: less than or equal to 23 kg
Related CW model	69095A
Related sweep model	69195A
Related signal generator	69295A
Related 68B counterpart	68395B Notes Specs from Anritsu/Wiltron 69A Series datasheet for 69×95A / 69395A (0.5–65 GHz). Confirm options and mmWave leveled power on the unit.
Bandwidth	3 dB: DC to 50 kHz minimum

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

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Model	69395A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep/Signal Generator

Specifications

PARAMETER	VALUE
Alias	69395A; Anritsu 69395A
Frequency range	0.5 GHz to 65 GHz
Family	69A Series ultra low noise sweep/signal

Leveled power 0.5 to 2.2 GHz: +11 dBm

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

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

Leveled power greater than 40 to 50 GHz: 0 dBm

Leveled power greater than 50 to 65 GHz: -2 dBm

Leveled power with step attenuator 0.5 to 2.2 GHz: +10 dBm

Leveled power with step attenuator greater than 2.2 to 20 GHz: +8.5 dBm

Leveled power with step attenuator greater than 20 to 40 GHz: 0 dBm

Specifications

PARAMETER	VALUE
Minimum leveled power without attenuator	to -15 dBm (-20 dBm typical)
Minimum leveled power with attenuator high band	to -105 dBm (-110 dBm typical)
Output power resolution	0.01 dB

Specifications

PARAMETER	VALUE
Frequency resolution standard	1 kHz
Frequency resolution Option 11	0.1 Hz

PARAMETER	VALUE
Analog sweep time	30 ms to 99 s

Step sweep steps: 1 to 10000

SSB phase noise at 10 GHz 10 kHz offset: -100 dBc/Hz class

SSB phase noise at 65 GHz 10 kHz offset: -86 dBc/Hz class

Specifications

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AM bandwidth 3 dB	DC to 50 kHz minimum
Pulse PRF leveled	100 Hz to 5 MHz class
RF output connector	TypeVfemale

Specifications

PARAMETER	VALUE
Remote control	GPIB
Dimensions	429 mmWx 133 mmHx 597 mmD Mass: less than or equal to 23 kg
Related CW model	69095A

Specifications

PARAMETER	VALUE
Related sweep model	69195A
Related signal generator	69295A
Related 68B counterpart	68395B

Notes

Specs from Anritsu/Wiltron 69A Series datasheet for 69x95A / 69395A (0.5–65 GHz). Confirm options and mmWave leveled power on the unit.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.