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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69263A Synthesized Signal Generator, 2 GHz to 40.0 GHz

Anritsu 69263A Synthesized Signal Generator 2 to 40 GHz The Anritsu/Wiltron 69263A is a 69A Series synthesized signal generator covering 2 GHz to 40 GHz with AM/FM/pulse modulation capability via external modulating signals, plus step and power sweep for network analysis and ATE. It sits between sweep-only 69163A and full sweep/signal 69363A in the same frequency suffix. The Anritsu/Wiltron 69263A is a 69A Series synthesized signal generator covering 2 GHz to 40 GHz with AM/FM/pulse modulation capability via external modulating signals, plus step and power sweep for network analysis and ATE. It sits between sweep-only 69163A and full sweep/signal 69363A in the same frequency suffix.



MODEL

Anritsu 69263A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69263A

LISTING

<https://aumictechlabs.com/products/69263a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 69263A is a synthesized signal generator delivering precise RF signal output across 2 GHz to 40.0 GHz. Built for demanding applications in military RF systems testing, microwave link development, and broadband communications, the instrument combines fine frequency resolution with stable amplitude control to enable accurate, repeatable measurements. Technical Specifications Frequency Performance Frequency range: 2 GHz to 40.0 GHz Frequency

resolution: 1 kHz standard; 0.1 Hz with Option 11 Frequency accuracy: $< 2 \times 10^{-8}$ /day with aging, $< 2 \times 10^{-8}$ /°C over 0°C to 55°C. With Option 16: $< 5 \times 10^{-10}$ /day and $< 2 \times 10^{-10}$ /°C Phase-locked frequency control for precision tuning Output Characteristics Stable amplitude output across the operating range Typical second harmonic levels measured at maximum output power AM noise floor specifications available Sweep & Modulation Step sweep: 1 to 10,000 steps; 1 kHz minimum step size (0.1 Hz with Option 11) Switching time: $< 15 \text{ ms} + 1 \text{ ms/GHz}$ step size, or $< 40 \text{ ms}$ maximum Dwell time per step: 1 ms to 99 seconds variable Analog, step, and manual sweep modes Alternate sweep mode for dual-range operation with independent power levels Internal AM, FM, and Pulse modulation (related models; Option 11 enhances resolution) Ultra-low SSB phase noise characteristic of Anritsu synthesizers Key Features GPIB control supports up to 1,000 non-sequential phase-locked frequencies for automated step sweep Manual sweep mode provides stepped, phase-locked frequency adjustment with user-selectable steps or step size Internal modulation waveforms including Gaussian noise and user-defined arbitrary waveforms (related models) Time-base accuracy dependent on 10 MHz reference Typical Applications Military RF systems testing and validation Microwave link development and characterization Broadband communications signal generation Phase-locked frequency stepping and automation Compatibility & Integration GPIB control interface for automated test sequences MX269018A software supports analog modulation types (FM, AM) Compatible with step-sweep automation and frequency-agile testing workflows

Features & description

From manufacturer datasheet

Features

- Synthesized signal coverage 2 to 40 GHz

Applications

- Modulated microwave stimulus 2 to 40 GHz

High power Option 15 2 to 20 GHz class: +17 dBm

Modulation: AM Ext, FM Ext, Pulse Ext (standard 69200A) Analog sweep: not standard on 69200A class Step sweep: standard Output mode: CW, step sweep, and externally modulated signal RF output connector: TypeKfemale class Related CW model: 69063A Related sweep model: 69163A Related sweep signal model: 69363A Primary use: ultra low noise synthesized signal generation 2 to 40 GHz Notes Specs from Anritsu/Wiltron 69A Series datasheet tables for 69×63A / 69263A (2–40 GHz Signal). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal. Confirm options and calibration label power.

69263A Characteristics / Specifications

PARAMETER	VALUE
Model	69263A
Manufacturer	Anritsu (Wilton 69A Series)
Instrument Type	Synthesized Signal Generator
Alias	69263A; Anritsu 69263A; Wiltron 69263A
Frequency range	2 GHz to 40 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 2.2 to 20 GHz class	less than 40 Hz RMS
Step attenuator option to 40 GHz	Option 2B 110 dB
Rack mount option	Option 1
Remote control	GPIB
Leveled output power 2 to 20 GHz class	+13 dBm
Leveled output power greater than 20 to 40 GHz class	+6 dBm

PARAMETER	VALUE
Leveled output with step attenuator 2 to 20 GHz class	+11 dBm
Leveled output with step attenuator greater than 20 to 40 GHz class	+3 dBm
High power Option 15 2 to 20 GHz class	+17 dBm
Modulation	AM Ext, FM Ext, Pulse Ext (standard 69200A)
Analog sweep	not standard on 69200A class
Step sweep	standard
Output mode	CW, step sweep, and externally modulated signal
RF output connector	TypeKfemale class
Related CW model	69063A
Related sweep model	69163A
Related sweep signal model	69363A
Primary use	ultra low noise synthesized signal generation 2 to 40 GHz Notes Specs from Anritsu/Wiltron 69A Series datasheet tables for 69×63A / 69263A (2–40 GHz Signal). 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	69263A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Signal Generator
Specifications	
PARAMETER	VALUE
Alias	69263A; Anritsu 69263A; Wiltron 69263A
Frequency range	2 GHz to 40 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 2.2 to 20 GHz class	less than 40 Hz RMS
Step attenuator option to 40 GHz	Option 2B 110 dB
Rack mount option	Option 1

Remote control: GPIB

Leveled output power 2 to 20 GHz class: +13 dBm

Leveled output power greater than 20 to 40 GHz class: +6 dBm

Leveled output with step attenuator 2 to 20 GHz class: +11 dBm

Leveled output with step attenuator greater than 20 to 40 GHz class: +3 dBm

High power Option 15 2 to 20 GHz class: +17 dBm

Specifications

PARAMETER	VALUE
Modulation	AM Ext, FM Ext, Pulse Ext (standard 69200A)
Analog sweep	not standard on 69200A class
Step sweep	standard

Specifications

PARAMETER	VALUE
Output mode	CW, step sweep, and externally modulated signal
RF output connector	TypeKfemale class
Related CW model	69063A

Specifications

PARAMETER	VALUE
Related sweep model	69163A
Related sweep signal model	69363A
Primary use	ultra low noise synthesized signal generation 2 to 40 GHz

Notes

Specs from Anritsu/Wiltron 69A Series datasheet tables for 69x63A / 69263A (2-40 GHz Signal). 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.