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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69337A Synthesized Sweep/Signal Generator, 2 to 20 GHz

Anritsu 69337A Synthesized Sweep/Signal Generator 2 to 20 GHz The Anritsu/Wiltron 69337A is the highest-capability 69A Series universal synthesizer covering 2 GHz to 20 GHz. It combines CW, analog/step/manual sweep, and full AM/FM/phase/pulse modulation for microwave stimulus. Related 69×37A siblings share the band with reduced feature sets. The Anritsu/Wiltron 69337A is the highest-capability 69A Series universal synthesizer covering 2 GHz to 20 GHz. It combines CW, analog/step/manual sweep, and full AM/FM/phase/pulse modulation for microwave stimulus. Related 69×37A siblings share the band with reduced feature sets.



MODEL

Anritsu 69337A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69337A

LISTING

<https://aumictechlabs.com/products/69337a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 69337A is a synthesized sweep/signal generator delivering precision wideband signal generation across 2–20 GHz. Built for demanding RF applications, it combines ultra-low phase noise, wide dynamic range output control, and flexible sweep modes to support signal simulation, component characterization, and integration into automated test systems. Multiple modulation types, programmable step sweeping, and high-speed frequency switching enable rapid prototyping and manufacturing test workflows. Technical Specifications Frequency Range: 2 GHz

to 20 GHz Frequency Resolution: 1 kHz standard; 0.1 Hz with Option 11 SSB Phase Noise: -100 dBc/Hz at 10 kHz offset from 10 GHz Output Power Range: -125 dBm to $+17$ dBm Sweep Modes: Analog, step, and manual sweep Sweep width: 1 kHz to full frequency range (0.1 Hz minimum with Option 11) Step sweep: 1 to 10,000 steps; dwell 1 ms to 99 seconds Frequency switching: Typically <15 ms + 1 ms/GHz step size, or <40 ms (whichever is less) Alternate sweep between two independent ranges Sweep time: 30 ms to 99 seconds Sweep accuracy: ± 30 MHz or ± 2 MHz width (whichever is less) at ≤ 50 MHz/ms sweep speed Modulation: Internal AM, FM, phase modulation, and pulse modulation. User-downloadable complex modulation. Seven internal modulating waveforms including Gaussian noise and arbitrary user-defined waveforms. Frequency Stability: Phase-locked to internal or external 10 MHz time base; accuracy dependent on selected time base.

Key Features Single coaxial RF output Internal/external 10 MHz time base input/output for synchronization Low spurious signal levels SCPI command programming support Software driver compatibility for standard programming environments

Typical Applications Signal simulation and RF component testing Local oscillator replacement Swept measurements and network analysis Automated test equipment (ATE) integration Manufacturing and RF development environments

Compatibility & Integration The 69337A supports SCPI commands and integrates into existing test frameworks via software drivers, enabling straightforward incorporation into test automation suites and development workflows.

Features & description

From manufacturer datasheet

Features

- Full sweep/signal capability in 69300A class

Applications

- Swept microwave component characterization 2 to 20 GHz

69337A Characteristics / Specifications

PARAMETER	VALUE
Model	69337A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep/Signal Generator
Alias	69337A; Anritsu 69337A; Wiltron 69337A
Frequency range	2 GHz to 20 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 2 to 20 GHz class	+17 dBm
Leveled output with step attenuator 2 to 20 GHz class	+15 dBm
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s
Analog sweep accuracy class	lesser of ± 30 MHz or $(\pm 2 \text{ MHz} + 0.25\% \text{ of sweep width})$ at ≤ 50 MHz/ms
Step sweep	every frequency step phase locked
Output mode	CW, sweep, and modulated signal
Related CW model	69037A
Related sweep model	69137A
Related signal model	69237A
Primary use	universal sweep/signal microwave synthesis 2 to 20 GHz Notes Specs from Anritsu/Wiltron 69A Series datasheet tables for 69×37A / 69337A (2–20 GHz Sweep/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.

performance AM/FM/phase/pulse signal simulation

- Network analysis stimulus and ATE source
- Radar and EW modulated signal generation
- Phase locked step and analog frequency sweeps

Key Features

- Full sweep/signal capability in 69300A class
- Coverage 2 to 20 GHz
- Analog, step, alternate, and manual sweeps
- Internal and external AM/FM/pulse modulation
- Optional phase modulation Option 6
- High leveled power class in 69x37A table
- Optional step attenuator Option 2A
- GPIB remote control

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	69337A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep/Signal Generator

Specifications

PARAMETER	VALUE
Alias	69337A; Anritsu 69337A; Wiltron 69337A
Frequency range	2 GHz to 20 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 2 to 20 GHz class: +17 dBm

Leveled output with step attenuator 2 to 20 GHz class: +15 dBm

Specifications

PARAMETER	VALUE
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s
Analog sweep accuracy class	lesser of ±30 MHz or (±2 MHz + 0.25% of sweep width) at ≤50 MHz/ms

Specifications

PARAMETER	VALUE
Step sweep	every frequency step phase locked
Output mode	CW, sweep, and modulated signal
Related CW model	69037A

Specifications

PARAMETER	VALUE
Related sweep model	69137A
Related signal model	69237A
Primary use	universal sweep/signal microwave synthesis 2 to 20 GHz

Notes

Specs from Anritsu/Wiltron 69A Series datasheet tables for 69x37A / 69337A (2-20 GHz Sweep/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 ·
30-day returns
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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.