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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69137A Synthesized Sweep Generator, 2 GHz to 20.0 GHz

Anritsu 69137A Synthesized Sweep Generator 2 to 20 GHz The Anritsu/Wiltron 69137A is a 69A Series synthesized sweep generator covering 2 GHz to 20 GHz. It provides analog, step, and manual sweeps with ultra-low-noise spectral purity for network analysis and swept ATE, as the sweep counterpart to 69037A/69237A/69337A. The Anritsu/Wiltron 69137A is a 69A Series synthesized sweep generator covering 2 GHz to 20 GHz. It provides analog, step, and manual sweeps with ultra-low-noise spectral purity for network analysis and swept ATE, as the sweep counterpart to 69037A/69237A/69337A.



MODEL

Anritsu 69137A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69137A

LISTING

<https://aumictechlabs.com/products/69137a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 69137A is a synthesized sweep generator delivering phase-locked RF signal generation across 2 to 20 GHz. Built for precision RF measurements and component characterization, it combines ultra-low SSB phase noise with flexible sweep architecture and programmable frequency agility - making it essential for signal integrity analysis, ATE systems, and laboratory-grade signal simulation. Technical Specifications Frequency Range: 2 to 20 GHz Output Power: +17 dBm maximum; -125 dBm minimum Phase Noise (SSB): -100 dBc/Hz at 10 kHz offset (referenced at 10 GHz) Sweep Modes: Analog sweep across selected frequency ranges

Step sweep: 1 to 10,000 steps with phase-locking at each step; minimum step size 1 kHz (0.1 Hz with Option 11) Manual sweep with user-selectable step count or step size Alternate sweep between two independent ranges with different power levels Switching Performance: Less than 15 ms + 1 ms/GHz step size, or less than 40 ms maximum (typical) Dwell Time: 1 ms to 99 seconds per step Programmable Frequency Agility: Up to 1,000 non-sequential frequencies addressable via GPIB as phase-locked step sweep (volatile memory) Modulation: Internal AM, FM, phase modulation, and pulse modulation; supports user-downloaded complex modulation routines

Key Features Phase-locked step switching for deterministic frequency transitions Dual-range alternate sweep capability for comparative testing Wide dynamic range: 142 dB power span Fine-resolution frequency control via optional 0.1 Hz step size GPIB remote control and programmability Benchtop form factor optimized for laboratory and ATE environments

Typical Applications Component and subsystem RF characterization Signal integrity and phase noise analysis Automated test system signal sourcing Broadband filter and amplifier response measurement

Compatibility & Integration GPIB interface enables integration into automated measurement systems. Option 11 reduces minimum frequency step to 0.1 Hz. Member of the Anritsu 69000A synthesizer family.

Features & description

From manufacturer datasheet

Features

- Synthesized sweep coverage 2 to 20 GHz

Applications

- Swept frequency stimulus 2 to 20 GHz

69137A Characteristics / Specifications

PARAMETER	VALUE
Model	69137A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep Generator
Alias	69137A; Anritsu 69137A; Wiltron 69137A
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
Step sweep	every frequency step phase locked
Output mode	CW and sweep
Related CW model	69037A
Related signal model	69237A
Related sweep signal model	69337A
Primary use	ultra low noise synthesized sweep 2 to 20 GHz Notes Specs from Anritsu/Wiltron 69A Series datasheet tables for 69×37A / 69137A (2–20 GHz Sweep). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal.

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	69137A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep Generator
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Frequency range	2 GHz to 20 GHz
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Output power resolution	0.01 dB
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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 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
Step sweep	every frequency step phase locked

Specifications

PARAMETER	VALUE
Output mode	CW and sweep
Related CW model	69037A

PARAMETER	VALUE
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Related signal model	69237A
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Related sweep signal model: 69337A

Primary use: ultra low noise synthesized sweep 2 to 20 GHz

Notes

Specs from Anritsu/Wiltron 69A Series datasheet tables for 69x37A / 69137A (2-20 GHz Sweep). Series: 69000A CW, 69100A Sweep, 69200A Signal, 69300A Sweep/Signal.

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.