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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69347A Synthesized Sweep/Signal Generator, 0.01 to 20 GHz

Anritsu 69347A Synthesized Sweep/Signal Generator 0.01–20 GHz The Anritsu/Wiltron 69347A is an ultra-low-noise synthesized sweep/signal generator covering 0.01 GHz to 20 GHz in the 69A Series. It combines CW, analog/step sweep, and full AM/FM/pulse modulation (optional Φ M) for universal microwave signal requirements to 20 GHz. The Anritsu/Wiltron 69347A is an ultra-low-noise synthesized sweep/signal generator covering 0.01 GHz to 20 GHz in the 69A Series. It combines CW, analog/step sweep, and full AM/FM/pulse modulation (optional Φ M) for universal microwave signal requirements to 20 GHz.



MODEL

Anritsu 69347A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69347A

LISTING

<https://aumictechlabs.com/products/69347a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 69347A is a synthesized sweep/signal generator delivering stable RF signals from 0.01 GHz to 20 GHz for R&D, signal analysis, and automated test applications. Phase-lock frequency control enables both discrete CW operation and wide or narrow band sweeps across multiple modes. The instrument supports AM, FM, and pulse modulation with programmable frequency agility for up to 1000 non-sequential frequencies. Full front-panel control is available, with remote operation via IEEE-488 GPIB (except power on/standby). Technical Specifications

Frequency Range: 0.01 GHz to 20 GHz Maximum Output Power: 13 dBm Output Accuracy: ± 2 dB Output Impedance: 50 Ohms Single-Side-Band Phase Noise: -105 dBc/Hz (minimum) to -66 dBc/Hz (maximum) Modulation Types: AM, FM, Pulse Sweep Modes: Alternate, Analog, Power, Step, and Manual Step Sweep Switching Time: <15 ms plus 1 ms/GHz step size, or <40 ms typical maximum Step Dwell Time: 1 ms to 99 seconds Key Features Phase-locked frequency control for precise signal generation Alternate sweep capability between two defined ranges with independent power levels Manual sweep with user-selectable step sizes and phase-locked frequency adjustment Programmable storage of up to 1000 non-sequential frequencies in volatile memory Step dwell time begins after phase lock for stable measurements Typical Applications Component and subsystem characterization RF and microwave system testing Automated test systems requiring remote control Frequency-agile signal synthesis across microwave bands Compatibility & Integration IEEE-488 GPIB remote control with SCPI programmability (Option 19) Available options include 110 dB step attenuator (Option 2A), 0.1 Hz frequency resolution (Option 11), and high stability time base (Option 16)

Features & description

From manufacturer datasheet

Features

- Coverage 0.01 to 20 GHz
- Ultra-low-noise 69300A architecture
- Analog, step, alternate, and manual sweep
- Internal/external AM, FM, pulse; optional Φ M and complex modulation
- High power Option 15 to +17 dBm class above 2 GHz
- Optional 0.1 Hz resolution and oven time base
- Optional SCAN modulator on selected 20 GHz models (Option 20 class)
- GPIB remote control

Applications

- CW and swept microwave measurements to 20 GHz
- Modulated signal simulation for receivers and radar
- Network analysis source with analog and step sweeps
- ATE racks needing one universal 20 GHz synthesizer
- LO substitution with modulation off

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

Minimum leveled power without attenuator: to -15 dBm (-20 dBm typical) Minimum leveled power with attenuator: to -115 dBm (-120 dBm typical) Output power resolution: 0.01 dB Frequency resolution standard: 1 kHz Frequency resolution Option 11: 0.1 Hz Analog sweep width: 1 MHz to full range 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 20 GHz 10 kHz offset: -100 dBc/Hz class AM depth: 0 to 90 percent linear, 20 dB log typical AM bandwidth 3 dB: DC to 50 kHz minimum Pulse on/off ratio: greater than 80 dB class RF output connector: TypeKfemale Remote control: GPIB Dimensions: 429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg Related CW model: 69047A Related sweep model: 69147A Related signal generator: 69247A Notes Specs from Anritsu/Wiltron 69A Series datasheet for 69×47A / 69347A (0.01–20 GHz). Confirm Option 15/20 and modulation options on the unit.

69347A Characteristics / Specifications

PARAMETER	VALUE
Anritsu 69347A Synthesized Sweep/Signal Generator 0.	20 GHz Overview The Anritsu/Wiltron 69347A is an ultra-low-noise synthesized sweep/signal generator covering 0.01 GHz to 20 GHz in the 69A Series. It combines CW, analog/step sweep, and full AM/FM/pulse modulation (optional Φ M) for universal microwave signal requirements to 20 GHz.
Model	69347A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized Sweep/Signal Generator
Alias	69347A; Anritsu 69347A
Frequency range	0.01 GHz to 20 GHz
Family	69A Series ultra low noise sweep/signal
Leveled power 0.01 to less than 2 GHz	+13 dBm
Leveled power 2 to 20 GHz	+13 dBm
Leveled power with step attenuator 0.01 to less than 2 GHz	+11 dBm
Leveled power with step attenuator 2 to 20 GHz	+11 dBm
High power Option 15 0.01 to less than 2 GHz	+13 dBm
High power Option 15 2 to 20 GHz	+17 dBm
Minimum leveled power without attenuator	to -15 dBm (-20 dBm typical)
Minimum leveled power with attenuator	to -115 dBm (-120 dBm typical)
Output power resolution	0.01 dB
Frequency resolution standard	1 kHz
Frequency resolution Option	0.1 Hz
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s
Step sweep steps	1 to 10000

PARAMETER	VALUE
SSB phase noise at 10 GHz 10 kHz offset	-100 dBc/Hz class
SSB phase noise at 20 GHz 10 kHz offset	-100 dBc/Hz class
AM depth	0 to 90 percent linear, 20 dB log typical
AM bandwidth 3 dB	DC to 50 kHz minimum
Pulse on/off ratio	greater than 80 dB class
RF output connector	TypeKfemale
Remote control	GPIB
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg
Related CW model	69047A
Related sweep model	69147A
Related signal generator	69247A Notes Specs from Anritsu/Wiltron 69A Series datasheet for 69×47A / 69347A (0.01–20 GHz). Confirm Option 15/20 and modulation options 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	
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Related signal generator	69247A

Notes
Specs from Anritsu/Wiltron 69A Series datasheet for 69x47A / 69347A (0.01-20 GHz). Confirm Option 15/20 and modulation options 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.