

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ANRITSU

Anritsu 69075A Synthesized CW Generator, 0.5 â€" 50 GHz

Anritsu 69075A Synthesized CW Generator 0.5–50 GHz The Anritsu/Wiltron 69075A is an ultra-low-noise synthesized CW generator covering 0.5 GHz to 50 GHz in the 69A Series. It provides leveled CW RF for LO replacement and high-purity stimulus from UHF/microwave into the 50 GHz band as the CW member of the 69×75A family. The Anritsu/Wiltron 69075A is an ultra-low-noise synthesized CW generator covering 0.5 GHz to 50 GHz in the 69A Series. It provides leveled CW RF for LO replacement and high-purity stimulus from UHF/microwave into the 50 GHz band as the CW member of the 69×75A family.



MODEL

Anritsu 69075A

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

69075A

LISTING

<https://aumictechlabs.com/products/69075a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 69075A Synthesized CW Generator delivers phase-locked continuous wave signal generation across 0.5–50 GHz with precise frequency control and exceptional stability. Built for RF and microwave system characterization, it supports twenty independent presettable frequencies (F0–F9, M0–M9) and multiple sweep modes, enabling rapid frequency switching and sophisticated test automation. Technical Specifications Frequency Control & Time Base Frequency range: 0.5–50 GHz Standard resolution: 1 kHz (Option 11: 0.1 Hz) Frequency accuracy: Tied to internal or external 10 MHz time base Internal time base aging: $<2 \times 10^{-8}$ /day (Option 16: $<5 \times$

10^{-10} /day) Internal time base temperature stability: $<2 \times 10^{-8}/^{\circ}\text{C}$ (0–55°C); Option 16: $<2 \times 10^{-10}/^{\circ}\text{C}$

External 10 MHz reference input: 0 to +10 dBm, 50 Ω , BNC connector 10 MHz reference output: 0.5 V p-p into 50 Ω , AC coupled, rear panel BNC

Frequency switching time: <40 ms typical maximum to within 1 kHz

Sweep Capabilities Phase-locked step sweep: 1 kHz to full range sweep width; 1–10,000 steps Step dwell time: 1 ms to 99 seconds Sweep step switching: <15 ms + 1 ms/GHz of step size, or <40 ms (whichever is less)

Alternate sweep mode: Two independent sweep ranges with selectable power levels Manual sweep mode: User-defined stepped, phase-locked frequency adjustments

Key Features Twenty independent CW frequency presets for rapid test sequence execution Phase-locked frequency switching ensures signal coherence across test points Selectable 1 kHz or 0.1 Hz resolution for fine frequency tuning Optional ultra-stable time base (Option 16) for long-duration measurements External 10 MHz reference input for synchronization with external standards

Typical Applications Component and subsystem RF characterization Frequency response measurements across microwave bands Phase-coherent multi-frequency testing Automated test sequences with preset frequency switching

Compatibility & Integration The 69075A accepts external 10 MHz reference signals (0 to +10 dBm) on a rear panel BNC connector, enabling integration with atomic clocks and precision timing systems. External reference input automatically overrides internal time base when applied.

Features & description

From manufacturer datasheet

Features

- Coverage 0.5 to 50 GHz single coax
- Ultra-low-noise 69000A architecture
- Internal leveling with 0.01 dB resolution
- Optional 0.1 Hz resolution and oven time base
- Optional step attenuator Option 2C class
- GPIB remote control
- Related sweep/signal siblings 69×75A
- V female RF output class

Applications

- CW LO substitution 0.5 to 50 GHz
- mmWave component characterization
- ATE broadband synthesizer source
- Converter and mixer LO applications
- Family upgrade within 69A CW column

69075A Characteristics / Specifications

PARAMETER	VALUE
Anritsu 69075A Synthesized CW Generator 0.	50 GHz Overview The Anritsu/Wiltron 69075A is an ultra-low-noise synthesized CW generator covering 0.5 GHz to 50 GHz in the 69A Series. It provides leveled CW RF for LO replacement and high-purity stimulus from UHF/microwave into the 50 GHz band as the CW member of the 69×75A family.
Model	69075A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized CW Generator
Alias	69075A; Anritsu 69075A
Frequency range	0.5 GHz to 50 GHz
Family	69A Series ultra low noise
Output mode	CW
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 frequency resolution Option	0.1 Hz
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2×10^{-8} /day class
Internal time base aging Option	less than 5×10^{-10} /day class

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
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
Rack mount option	Option 1
Remote control	GPIOB
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg
Leveled output power 0.5 to 2.2 GHz class	+12 dBm
Leveled output power greater than 2.2 to 20 GHz class	+10 dBm
Leveled output power greater than 20 to 40 GHz class	+2.5 dBm
Leveled output power greater than 40 to 50 GHz class	+2.5 dBm
Leveled output with step attenuator 0.5 to 2.2 GHz class	+10 dBm
Leveled output with step attenuator greater than 2.2 to 20 GHz class	+8.5 dBm
Leveled output with step attenuator greater than 20 to 40 GHz class	0 dBm
Leveled output with step attenuator greater than 40 to 50 GHz class	-1 dBm
Minimum leveled power without attenuator	to -15 dBm (-20 dBm typical)
Minimum leveled power with attenuator high band	to -105 dBm class
SSB phase noise at 10 GHz 10 kHz offset	-100 dBc/Hz class
RF output connector	TypeVfemale

PARAMETER	VALUE
Related sweep model	69175A
Related signal generator	69275A
Related sweep signal	69375A Notes Specs from Anritsu/Wiltron 69A Series datasheet for 69×75A / 69075A (0.5–50 GHz CW). Confirm options and leveled power on the unit.

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	
Technical Specifications	
PARAMETER	VALUE
Model	69075A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized CW Generator
Alias	69075A; Anritsu 69075A
Frequency range	0.5 GHz to 50 GHz
Family	69A Series ultra low noise
Output mode	CW
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/deg C typical
Internal leveling	yes at output connector
RF on off	yes
Level offset	yes
CW frequency resolution standard	1 kHz class
CW frequency resolution Option 11	0.1 Hz
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2 x 10^-8/day class
Internal time base aging Option 16	less than 5 x 10^-10/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

PARAMETER	VALUE
Step attenuator option to 50 GHz	Option 2C 90 dB
Step attenuator option to 60 GHz	Option 2D 90 dB
Rack mount option	Option 1
Remote control	GPIB
Dimensions	429 mm W x 133 mm H x 597 mm D
Mass	less than or equal to 23 kg

Specifications

PARAMETER	VALUE
Model	69075A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized CW Generator
Alias	69075A; Anritsu 69075A
Frequency range	0.5 GHz to 50 GHz
Family	69A Series ultra low noise
Output mode	CW
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 frequency resolution Option 11	0.1 Hz
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2 x 10 ⁻⁸ /day class
Internal time base aging Option 16	less than 5 x 10 ⁻¹⁰ /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

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
Step attenuator option to 60 GHz	Option 2D 90 dB
Rack mount option	Option 1
Remote control	GPIO
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg

Leveled output power 0.5 to 2.2 GHz class: +12 dBm
 Leveled output power greater than 2.2 to 20 GHz class: +10 dBm
 Leveled output power greater than 20 to 40 GHz class: +2.5 dBm
 Leveled output power greater than 40 to 50 GHz class: +2.5 dBm
 Leveled output with step attenuator 0.5 to 2.2 GHz class: +10 dBm
 Leveled output with step attenuator greater than 2.2 to 20 GHz class: +8.5 dBm
 Leveled output with step attenuator greater than 20 to 40 GHz class: 0 dBm
 Leveled output with step attenuator greater than 40 to 50 GHz class: -1 dBm
 Minimum leveled power without attenuator: to -15 dBm (-20 dBm typical)
 Minimum leveled power with attenuator high band: to -105 dBm class
 SSB phase noise at 10 GHz 10 kHz offset: -100 dBc/Hz class

Specifications

PARAMETER	VALUE
RF output connector	TypeVfemale
Related sweep model	69175A
Related signal generator	69275A
Related sweep signal	69375A

Notes

Specs from Anritsu/Wiltron 69A Series datasheet for 69x75A / 69075A (0.5–50 GHz CW). Confirm options and 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

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

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

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