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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69037A Synthesized CW Generator, 2 â€" 20 GHz

Anritsu 69037A Synthesized CW Generator 2 GHz to 20 GHz The Anritsu/Wiltron 69037A is an ultra-low-noise synthesized CW generator covering 2 GHz to 20 GHz in the 69A Series. It is the 2 GHz low-end cutoff CW model for applications that do not need coverage below 2 GHz, with leveled power to +13 dBm standard and +17 dBm with Option 15. The Anritsu/Wiltron 69037A is an ultra-low-noise synthesized CW generator covering 2 GHz to 20 GHz in the 69A Series. It is the 2 GHz low-end cutoff CW model for applications that do not need coverage below 2 GHz, with leveled power to +13 dBm standard and +17 dBm with Option 15.



MODEL

Anritsu 69037A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69037A

LISTING

<https://aumictechlabs.com/products/69037a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 69037A is a synthesized continuous-wave signal generator delivering stable, low-noise RF signals from 2 to 20 GHz. Purpose-built for component testing, RF simulation, and precise signal sourcing, this instrument combines frequency stability with remote automation capabilities to support both laboratory R&D and production test environments. Technical Specifications Frequency Range: 2 GHz to 20 GHz Signal Characteristics: The 69037A emphasizes low phase noise performance and frequency response flatness across its operational band. Phase noise behavior at defined carrier offsets (1 kHz, 10 kHz, 100 kHz) directly influences

measurement precision in sensitive RF applications. Harmonic and spurious output suppression ensures signal integrity and minimizes unwanted spectral content during component characterization. Output Power: Output level range and control resolution support precise amplitude setting. Power accuracy across frequency and level conditions enables confidence in measurement-dependent testing.

Key Features

- Synthesized CW generation across 2–20 GHz band
- Low phase noise architecture for precision measurements
- Frequency response flatness for consistent amplitude across band
- Harmonic and spurious suppression for clean signal output
- Remote automation integration for test system deployment

Control and Integration

The 69037A supports remote control via standard interfaces and command protocols, enabling direct integration into automated test environments. Command compatibility with industry-standard programming frameworks facilitates driver development and system orchestration.

Typical Applications

- RF component validation and characterization
- Receiver and amplifier performance testing
- Signal simulation for system-level assessments
- Production test environments requiring stable CW sourcing

Features & description

From manufacturer datasheet

Features

• Synthesized CW 2 to 20 GHz • Ultra-low-noise 69000A architecture • Standard leveled power +13 dBm; Option 15 high power +17 dBm • 0.01 dB power resolution • Optional 0.1 Hz resolution and oven time base • Optional step attenuator • GPIB remote control • K female RF output

Applications

• Microwave CW LO substitution 2 to 20 GHz • Amplifier and mixer stimulus without sub-2 GHz coverage • ATE synthesizer racks • Low-noise CW reference for receivers • Upgrade base within 69A family

High power Option 15 with attenuator 2 to 20 GHz: +15 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 CW frequency resolution standard: 1 kHz 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 2×10^{-8} /day Internal time base aging Option 16: less than 5×10^{-10} /day 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 SSB phase noise at 2 GHz 10 kHz offset: -100 dBc/Hz class Source impedance: 50 ohm nominal RF output connector: TypeKfemale Preset CW frequencies: 20 Remote control: GPIB Dimensions: 429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg AC power: less than or equal to 400 VA Related sweep model: 69137A Related signal generator: 69237A Related sweep signal: 69337A Related Brevison CW: 69037B Notes Specs from Anritsu/Wiltron 69A Series datasheet for 69×37A / 69037A (2–20 GHz). Confirm Option 15 before quoting +17 dBm leveled power.

69037A Characteristics / Specifications

PARAMETER	VALUE
Model	69037A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized CW Generator
Alias	69037A; Anritsu 69037A
Frequency range	2 GHz to 20 GHz
Family	69A Series ultra low noise
Output mode	CW
Leveled power 2 to 20 GHz	+13 dBm
Leveled power with step attenuator 2 to 20 GHz	+11 dBm
High power Option 15 2 to 20 GHz	+17 dBm
High power Option 15 with attenuator 2 to 20 GHz	+15 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
CW frequency resolution standard	1 kHz
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
Internal time base aging Option	less than 5×10^{-10} /day
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
SSB phase noise at 2 GHz 10 kHz offset	-100 dBc/Hz class
Source impedance	50 ohm nominal
RF output connector	TypeKfemale

PARAMETER	VALUE
Preset CW frequencies	20
Remote control	GPIO
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg
AC power	less than or equal to 400 VA
Related sweep model	69137A
Related signal generator	69237A
Related sweep signal	69337A
Related Brevison CW	69037B Notes Specs from Anritsu/Wiltron 69A Series datasheet for 69×37A / 69037A (2–20 GHz). Confirm Option 15 before quoting +17 dBm leveled 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

Specifications

PARAMETER	VALUE
Source impedance	50 ohm nominal
RF output connector	Type K female
Preset CW frequencies	20
Remote control	GPIB
Dimensions	429 mm W x 133 mm H x 597 mm D
Mass	less than or equal to 23 kg
AC power	less than or equal to 400 VA
Related sweep model	69137A
Related signal generator	69237A
Related sweep signal	69337A
Related B revision CW	69037B

Specifications

PARAMETER	VALUE
Model	69037A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized CW Generator
Alias	69037A; Anritsu 69037A
Frequency range	2 GHz to 20 GHz
Family	69A Series ultra low noise
Output mode	CW
Leveled power 2 to 20 GHz	+13 dBm

Leveled power with step attenuator 2 to 20 GHz: +11 dBm
High power Option 15 2 to 20 GHz: +17 dBm
High power Option 15 with attenuator 2 to 20 GHz: +15 dBm

Specifications

PARAMETER	VALUE
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
CW frequency resolution standard	1 kHz
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 2×10^{-8} /day
Internal time base aging Option 16	less than 5×10^{-10} /day

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
SSB phase noise at 2 GHz 10 kHz offset: -100 dBc/Hz class

Specifications

PARAMETER	VALUE
Source impedance	50 ohm nominal
RF output connector	TypeKfemale
Preset CW frequencies	20
Remote control	GPIB
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg
AC power	less than or equal to 400 VA
Related sweep model	69137A
Related signal generator	69237A
Related sweep signal	69337A
RelatedBrevison CW	69037B

Notes
Specs from Anritsu/Wiltron 69A Series datasheet for 69x37A / 69037A (2–20 GHz). Confirm Option 15 before quoting +17 dBm leveled 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.