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Data Sheet

August 13, 2026

ANRITSU

Anritsu 68337B Synthesized Sweep/Signal Generator, 2 to 20 GHz

Anritsu 68337B Synthesized Sweep/Signal Generator 2 to 20 GHz The Anritsu 68337B is a synthesized sweep/signal generator covering 2 GHz to 20 GHz in the 68000B synthesizer family. It combines CW, analog/step sweep, and comprehensive modulation at moderate cost relative to the ultra-low-noise 69A line, for broadband signal simulation and swept measurements to 20 GHz as the 6XX37B sweep/signal member. The Anritsu 68337B is a synthesized sweep/signal generator covering 2 GHz to 20 GHz in the 68000B synthesizer family. It combines CW, analog/step sweep, and comprehensive modulation at moderate cost relative to the ultra-low-noise 69A line, for broadband signal simulation and swept measurements to 20 GHz as the 6XX37B sweep/signal member.



MODEL

Anritsu 68337B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

68337B

LISTING

<https://aumictechlabs.com/products/68337b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 68337B is a synthesized sweep and signal generator delivering high-purity signals across 2 to 20 GHz for research, development, and manufacturing test environments. It combines wide tuning range with full remote control capability, supporting both automated test setups and manual operation. The 50-ohm output impedance and low-noise architecture enable precise

device characterization and system validation in demanding engineering workflows. Technical Specifications Signal Generation Frequency range: 2 GHz to 20 GHz Output impedance: 50 Ohms Supports AM, FM, and pulse modulation Linear and logarithmic sweep modes Key Features Full remote control for integrated test automation Synthesized architecture ensures frequency stability and precision Wide tuning range optimized for microwave and millimeter-wave applications Modulation support enables complex signal generation for device validation Sweep functionality streamlines frequency-dependent measurements Typical Applications RF and microwave component characterization System-level performance validation Receiver and amplifier testing Filter and antenna measurements Automated production test environments Compatibility & Integration The 68337B integrates with Anritsu test automation software and third-party control platforms via remote interfaces. Compatible with Anritsu RF power sensors, attenuators, and related test accessories. for specific accessory part numbers and interface configuration details.

Features & description

From manufacturer datasheet

Features

• Coverage 2 to 20 GHz • Analog and phase locked step sweep • Internal/external AM, FM, pulse; optional phase modulation • 68B family excellent phase noise at moderate cost • List sweep with large frequency/power tables • Optional 0.1 Hz resolution and high stability time base • Optional high power Option 15 • GPIB remote control

Applications

• Broadband swept network analysis 2 to 20 GHz • AM/FM/pulse modulated signal simulation • ATE microwave stimulus • Radar and EW receiver testing • CW LO use when modulation and sweep are idle

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

Output power resolution: 0.01 dB Frequency resolution standard: 1 kHz 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 Analog sweep width: 1 MHz to full range Analog sweep time: 30 ms to 99 s Step sweep steps: 1 to 10000 List sweep points: up to 2000 per table Minimum leveled power without attenuator: to -15 dBm (-20 dBm typical) Minimum leveled power with attenuator: to -120 dBm class SSB phase noise: 68B family excellent moderate cost class AM bandwidth 3 dB: DC to 50 kHz minimum Pulse PRF leveled: 100 Hz to 5 MHz class Remote control: GPIB Dimensions: 133 mmHx 429 mmWx 597 mmDMass: less than or equal to 23 kg RF output connector: TypeKfemale Related CW 69A: 69037A Related ultra low noise sweep signal: 69337A Related sweep only: 68137B Related signal only: 68237B Complex modulation Option 20 class: available on 68237B/68337B/68247B/68347B only per datasheet notes Notes Specs from Anritsu/Wiltron 68B/69A Series frequency charts and 6XX37 power tables for 68337B (2–20 GHz). Confirm options and leveled power on the unit.

68337B Characteristics / Specifications

PARAMETER	VALUE
Model	68337B
Manufacturer	Anritsu
Instrument Type	Synthesized Sweep/Signal Generator
Alias	68337B; Anritsu 68337B
Frequency range	2 GHz to 20 GHz
Family	68000B synthesizers
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 with step attenuator Option 15 2 to 20 GHz	+15 dBm
Output power resolution	0.01 dB
Frequency resolution standard	1 kHz
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
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s
Step sweep steps	1 to 10000
List sweep points	up to 2000 per table
Minimum leveled power without attenuator	to -15 dBm (-20 dBm typical)
Minimum leveled power with attenuator	to -120 dBm class
SSB phase noise	68B family excellent moderate cost class
AM bandwidth 3 dB	DC to 50 kHz minimum

PARAMETER	VALUE
Pulse PRF leveled	100 Hz to 5 MHz class
Remote control	GPIO
Dimensions	133 mmHx 429 mmWx 597 mmDMass: less than or equal to 23 kg
RF output connector	TypeKfemale
Related CW 69A	69037A
Related ultra low noise sweep signal	69337A
Related sweep only	68137B
Related signal only	68237B
Complex modulation Option 20 class	available on 68237B/68337B/68247B/68347B only per datasheet notes Notes Specs from Anritsu/Wiltron 68B/69A Series frequency charts and 6XX37 power tables for 68337B (2–20 GHz). Confirm options and leveled power 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	
Specifications	
PARAMETER	VALUE
Output power resolution	0.01 dB
Frequency resolution standard	1 kHz
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
Internal time base aging Option 16	less than 5 x 10 ⁻¹⁰ /day
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s
Step sweep steps	1 to 10000
List sweep points	up to 2000 per table
Minimum leveled power without attenuator	to -15 dBm (-20 dBm typical)
Minimum leveled power with attenuator	to -120 dBm class
SSB phase noise	68B family excellent moderate cost class
AM bandwidth 3 dB	DC to 50 kHz minimum
Pulse PRF leveled	100 Hz to 5 MHz class
Remote control	GPIO
Dimensions	133 mm H x 429 mm W x 597 mm D
Mass	less than or equal to 23 kg
RF output connector	Type K female
Related CW 69A	69037A
Related ultra low noise sweep signal	69337A
Related sweep only	68137B
Related signal only	68237B
Complex modulation Option 20 class	available on 68237B/68337B/68247B/68347B only per datasheet notes
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Alias	68337B; Anritsu 68337B
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Family	68000B synthesizers
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 with step attenuator Option 15 2 to 20 GHz: +15 dBm

Specifications

PARAMETER	VALUE
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Minimum leveled power with attenuator	to -120 dBm class
SSB phase noise	68B family excellent moderate cost class
AM bandwidth 3 dB	DC to 50 kHz minimum
Pulse PRF leveled	100 Hz to 5 MHz class
Remote control	GPiB
Dimensions	133 mmHx 429 mmWx 597 mmDMass: less than or equal to 23 kg
RF output connector	TypeKfemale
Related CW 69A	69037A
Related ultra low noise sweep signal	69337A
Related sweep only	68137B

PARAMETER	VALUE
Related signal only	68237B
Complex modulation Option 20 class	available on 68237B/68337B/68247B/68347B only per datasheet notes

Notes

Specs from Anritsu/Wiltron 68B/69A Series frequency charts and 6XX37 power tables for 68337B (2-20 GHz).
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

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NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
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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.