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Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) E4426B Analog RF Signal Generator, 4 GHz

Keysight (Agilent) E4426B Analog RF Signal Generator, 4 GHz The Keysight/Agilent E4426B is an ESG-AP series high-performance analog RF signal generator covering 250 kHz to 4 GHz. Emphasizes spectral purity and analog modulation (AM, FM, Φ M, pulse) for receiver, component, and LO applications. Step/list sweep; built-in function generator; choice of electronic or mechanical attenuator. Related ESG-A/AP family includes E442xB models by frequency. High-purity analog RF stimulus; LO substitution; receiver and component test to 4 GHz. The Keysight/Agilent E4426B is an ESG-AP series high-performance analog RF signal generator covering 250 kHz to 4 GHz. Emphasizes spectral purity and analog modulation (AM, FM, Φ M, pulse) for receiver, component, and LO applications. Step/list sweep; built-in function generator; choice of electronic or mechanical attenuator. Related ESG-A/AP family includes E442xB models by frequency. High-purity analog RF stimulus; LO substitution; receiver and component test to 4 GHz.

No photo

MODEL

Keysight E4426B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

E4426B

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Frequency: 250 kHz to 4 GHz; 0.01 Hz resolution class (ESG family)
- Output (ESG-A/AP class, standard): +13 to -136 dBm (≤ 1 GHz); +10 to -136 (1–3 GHz); +7 to -136 (3–4 GHz)
- Option UNB high power: +17 / +16 / +13 dBm class respective bands
- Analog modulation: AM, FM, Φ M, pulse
- Wideband FM and phase modulation
- Step sweep: frequency, power, list
- Built-in function generator
- High spectral purity ESG-AP architecture

E4426B Characteristics / Specifications

PARAMETER	VALUE
Model	E4426B
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Analog RF Signal Generator (ESG-AP)
Family	ESG-AP Series
Alias	E4426B; Agilent E4426B Frequency / Power 250 kHz–4 GHz
Power levels	see Key Features (standard vs UNB) Operational Notes Prefer Agilent ESG datasheet 5965-3096. Digital sibling family is ESG-D (E443xB).
Frequency	250 kHz to 4 GHz; 0.01 Hz resolution class (ESG family)
Output (ESG-A/AP class, standard)	+13 to -136 dBm (≤ 1 GHz); +10 to -136 (1–3 GHz); +7 to -136 (3–4 GHz)
Option UNB high power	+17 / +16 / +13 dBm class respective bands
Analog modulation	AM, FM, Φ M, pulse
Step sweep	frequency, power, list

E4426B Specifications

PARAMETER	VALUE
Applications	High-purity analog RF stimulus; LO substitution; receiver and component test to 4 GHz.
Key Features	- Frequency: 250 kHz to 4 GHz; 0.01 Hz resolution class (ESG family)
Technical Specifications	Model: E4426B
Frequency / Power	250 kHz–4 GHz
Operational Notes	Prefer Agilent ESG datasheet 5965-3096. Digital sibling family is ESG-D (E443xB).

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.

performance analog RF signal generator covering 250 kHz to 4 GHz. Emphasizes spectral purity and analog modulation (AM, FM, Φ M, pulse) for receiver, component, and LO applications. Step/list sweep; built-in function generator; choice of electronic or mechanical attenuator. Related ESG-A/AP family includes E442xB models by frequency.

Applications

High-purity analog RF stimulus; LO substitution; receiver and component test to 4 GHz.

Key Features

- Frequency: 250 kHz to 4 GHz; 0.01 Hz resolution class (ESG family)
- Output (ESG-A/AP class, standard): +13 to -136 dBm ($\leq$ 1 GHz); +10 to -136 (1-3 GHz); +7 to -136 (3-4 GHz)
- Option UNB high power: +17 / +16 / +13 dBm class respective bands
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Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	E4426B
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Analog RF Signal Generator (ESG-AP)
Family	ESG-AP Series
Alias	E4426B; Agilent E4426B

Frequency / Power

250 kHz-4 GHz

Power levels: see Key Features (standard vs UNB)

Operational Notes

Prefer Agilent ESG datasheet 5965-3096. Digital sibling family is ESG-D (E443xB).

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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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.