

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E4411B-BAS

The Keysight (Agilent) E4411B-BAS is a basic configuration of the ESA-L Series spectrum analyzer, offering robust measurement capabilities from 9 kHz to 1.5 GHz. It features a fast 5-minute warm-up, built-in PowerSuite measurements, and lab-grade performance designed for both benchtop and portable field applications.

SPECIFICATIONS

General

PowerSuite Measurements	One-button RF power measurements included
Removable Storage	1.44 MB 3.5-inch floppy disk drive

Physical

Power Supply	90 to 132 Vrms (47 to 440 Hz); 195 to 250 Vrms (47 to 66 Hz); < 300 W
Operating Temperature	0 to 55 °C
Dimensions (W×H×D)	373 × 222 × 409 mm

Frequency Specifications

Frequency Range	9 kHz to 1.5 GHz
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Front & Rear Panel Interfaces

RF Input Impedance	75 ohms
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Environmental & Regulatory

Warm-up Time	5 minutes
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Frequency

Resolution Bandwidth (RBW)	1 kHz to 5 MHz (standard); 10 Hz to 5 MHz (with Option 1DR)
Reference Frequency	10 MHz
Timebase Aging Rate	$\pm 2 \times 10^{-6}$ / year (standard); $\pm 1 \times 10^{-7}$ / year (with Option 1D5)

Sweep

Sweep Time (Span > 0 Hz)	4 ms to 4000 s
Sweep Time (Zero Span)	50 μ s to 4000 s

Amplitude

Input Attenuator Range	0 to 60 dB (in 5 dB steps)
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Sweep & Trace

Number of Sweep Points	401
Trace Detectors	Normal, Positive Peak, Sample, Negative Peak
Trace Functions	Clear/Write, Max Hold, Min Hold, View, Blank
Trigger Sources	Free Run, Video, External, Line

Features

Audio Demodulation	AM and FM
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Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.