

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E4406A

The Keysight / Agilent HP E4406A VSA is a full-featured vector signal analyzer and transmitter tester designed for base station and mobile handset manufacturing, as well as R&D applications. It offers powerful, one-button, standards-based modulation analysis for various wireless communications formats.

SPECIFICATIONS

General

Interfaces	GPIO (IEEE-488.2), LAN (10Base-T), RS-232, Parallel
Display	Color LCD

Physical

Operating Temperature	0 to +55 °C
Dimensions (W×H×D)	426 x 177 x 432 mm
Weight	19 kg

Frequency Specifications

Frequency Range (RF Input)	7 MHz to 4 GHz
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Amplitude and Power Specifications

Absolute Amplitude Accuracy (@ 1 GHz)	±0.6 dB
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Inputs and Interfaces

RF Input Impedance	50 Ω
RF Input Connector	Type-N (female)
Baseband I/Q Input Impedance (Option B7C)	50 Ω unbalanced, 600 Ω & 1 MΩ balanced

Transmitter / Modulation Analysis

Standard Measurements	Spectrum (frequency domain), waveform (time domain), adjacent channel power (ACP), CCDF, channel power, occupied bandwidth
Supported Wireless Generations	2G, 2.5G, 3G, and 3.5G

Connectivity and Remote Control

Compatible Software	Keysight / Agilent 89601A Vector Signal Analysis Software
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RF Input

Maximum Safe Input Level	+30 dBm (1 W)
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Frequency

Internal Timebase Frequency	10 MHz
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Inputs & Outputs

Timebase Reference Output	10 MHz
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Amplitude

Amplitude Resolution	0.01 dB
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Triggering

Trigger Sources	Free Run, Video, External, Frame, Line
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Features

Available Measurement Personalities	W-CDMA, cdmaOne, cdma2000, 1xEV-DO, GSM/EDGE, NADC, PDC (via specific options)
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TECHNOLOGY

Vector Signal Analysis

APPLICATIONS

Transmitter Testing / Wireless Communications

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