

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E4400A

The Agilent/Keysight E4400A is a 1 GHz analog RF signal generator belonging to the ESG-A series. It offers excellent frequency and level control, standard AM, FM, Phase, and Pulse modulation, and features an electronic attenuator for high reliability and repeatability. With its modular architecture, it is designed for demanding receiver and component testing applications.

SPECIFICATIONS

Frequency

Minimum Frequency	250 kHz Hz
Maximum Frequency	1 GHz Hz
Frequency Resolution	0.01 Hz

Output

Maximum Output Power	+13 dBm dBm
Output Power Range	-136 to +13 dBm
Reverse Power Protection	50 W RF, 50 Vdc max

Modulation

Modulation	AM, FM, Phase, Pulse
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General

Reference Oscillator	10 MHz
Interfaces	GPIO (IEEE-488.2), RS-232

Frequency Specifications

Internal Reference Frequency	10 MHz
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Amplitude Specifications

Amplitude Resolution	0.02 dB
Output Impedance	50 Ω nominal

Amplitude Modulation (AM)

Modulation Depth Range	0 to 100%
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Connectivity & Interfaces

RF Output Connector	Type-N (female)
Remote Control Interfaces	GPIO, RS-232

Environmental

Operating Temperature	0 °C to 55 °C
Storage Temperature	-40 °C to +71 °C

Power

Power Consumption	200 W maximum
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Spectral Purity

Harmonics	< -30 dBc (output <= +4 dBm)
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TECHNOLOGY

Analog RF

APPLICATIONS

Receiver testing, component testing, local oscillator applications

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