

KEYSIGHT TECHNOLOGIES (AGILENT HP)

8568B

The Keysight (Agilent HP) 8568B is a high-performance, 100 Hz to 1.5 GHz spectrum analyzer renowned for its exceptional frequency stability, accuracy, and sensitivity. Comprising the 85680B RF section and the 85662A IF/display section, it features a 10 Hz minimum resolution bandwidth that enables measurements of very low-level signals in both benchtop and automated test equipment (ATE) environments. Its robust digital architecture supports customizable downloadable programs (DLPs), non-volatile trace storage, and comprehensive GPIB programmability.

SPECIFICATIONS

General

Interfaces	HP-IB (IEEE-488)
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Frequency Specifications

Frequency Range	100 Hz to 1.5 GHz
Frequency Span Range	0 Hz (zero span), 100 Hz to 1.5 GHz
Resolution Bandwidth (RBW) Range	10 Hz to 3 MHz
Resolution Bandwidth (RBW) Steps	1, 3, 10 sequence

Amplitude Specifications

Calibrator Output Level	-20 dBm
Calibrator Output Frequency	20 MHz
Input Attenuator Range	0 to 70 dB
Input Attenuator Steps	10 dB

Inputs & Outputs

IF Output Frequency (Rear Panel)	21.4 MHz
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Physical & Environmental

RF Section Model	HP 85680B
IF/Display Section Model	HP 85662A

Performance

Sweep Trigger Sources	Free Run, Line, External, Video
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Display

Graticule	10 x 10 divisions
Digital Trace Resolution (Horizontal)	1001 points
Trace Memory Registers	3 (Trace A, Trace B, Trace C)

Amplitude

Log Scale Selection	10, 5, 2, or 1 dB/division
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TECHNOLOGY

Superheterodyne Spectrum Analysis

APPLICATIONS

RF design, component test, electromagnetic compatibility (EMC) testing, and automated signal surveillance

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