

KEYSIGHT TECHNOLOGIES (AGILENT HP)

8591C

The Keysight (formerly Agilent / Hewlett-Packard) 8591C is a dedicated Cable TV spectrum analyzer designed for non-interfering RF and video measurements. Covering a frequency range of 1 MHz to 1.8 GHz, it features one-button FCC proof of performance measurements and standard NTSC formatting, making it ideal for CATV system troubleshooting and automated testing.

SPECIFICATIONS

Physical

Power Supply	90 to 132 Vrms (47-440 Hz) or 195 to 250 Vrms (47-66 Hz), < 500 VA
Operating Temperature	0 to +55 °C

Frequency Specifications

Frequency Range	1 MHz to 1.8 GHz
Resolution Bandwidth (RBW) Range	1 kHz to 3 MHz
Video Bandwidth (VBW) Range	30 Hz to 1 MHz

CATV Specific Measurements

Automated Measurements	One-button FCC proof of performance CATV measurements
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Inputs and Outputs

RF Input Impedance	75 Ω
Preamplifier	Built-in

Sweep

Sweep Time (Maximum)	100 s
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Amplitude

Maximum Safe Input Level	+75 dBmV / +26 dBm
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Frequency

Reference Frequency	10 MHz
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Spectral Purity

Phase Noise (30 kHz offset)	< -105 dBc/Hz
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TECHNOLOGY

Spectrum Analysis

APPLICATIONS

Cable TV (CATV) System Testing

