

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 8595EM EMC Analyzer, 9 kHz to 6.5 GHz

The HP/Agilent 8595EM is a stand-alone 8590 EM Series EMC precompliance analyzer covering 9 kHz to 6.5 GHz. OEM 8590 C/E/L/Q and EM Series documentation lists EMI analysis and spectrum-analyzer modes in one portable instrument, with built-in amplitude correction and limit lines. Radiated and conducted EMI precompliance; EMI precompliance through 6.5 GHz; general-purpose spectrum analysis without changing instruments. Dual EMI and spectrum-analyzer operating modes Built-in measurement routines for automated EMC scans Acoustic Noise Pressure: less than 37.5 dBA Form Factor: portable EMC analyzer based on 8590 E-series Tracking Generator Option Family: Optional tracking generator Option 010, 9 kHz to 2.9 GHz class EM Option 010 table Rf Output Frequency Range Option 010 Family: 100 kHz to 1.8 GHz on 8591EM; 9 kHz to 2.9 GHz on 8593EM/8595EM/8596EM Option 010 table



MODEL

**Agilent / Keysight
8595EM**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

8595EM

LISTING

<https://aumictechlabs.com/products/8595em-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 8595EM EMC Analyzer is a stand-alone instrument for electromagnetic compatibility testing and pre-compliance diagnostics across 9 kHz to 6.5 GHz. It combines EMI analysis with full-spectrum analysis capabilities, eliminating the need for external computing

infrastructure. Purpose-built for automated EMC precompliance measurement, the analyzer delivers rapid signal detection, storage, and regulatory compliance assessment without operator intervention.

Technical Specifications

Frequency & Performance Operating range: 9 kHz to 6.5 GHz Suitable for precompliance testing of products with clock frequencies up to 1 GHz Maximum input: +30 dBm average continuous power (1 W); +50 dBm peak pulse power (<10 μ s pulse width, 10 MHz Power Requirements Operating voltage: 90 to 132 Vrms, 47 to 440 Hz; or 195 to 250 Vrms, 47 to 66 Hz Power consumption: <500 VA; <180 W

Physical Characteristics Dimensions: 325 mm W $\times$ 163 mm H $\times$ 427 mm D (without handle, feet, or cover) Weight: 16.4 kg Operating temperature: 0°C to +55°C Storage temperature: -40°C to +75°C Audible noise: <37.5 dBA, <5.0 Bels power (ISO 7779)

Key Features CISPR band presets with linked video and resolution bandwidths Built-in amplitude correction for antenna, amplifier, and cable losses Simultaneous limit-line display comparing signals against up to two regulatory limits plus user-specified measurement margins Automated routines measuring all signals across specified frequency ranges Signal storage and reporting for up to 239 signals Internal cardcage accommodating up to four plug-in circuit card options Downloadable, application-specific measurement personalities EMI compatibility per CISPR Pub. 11 and Messemphaenger Postverfuegung 526/527/79 Interfaces GPIB, RS-232, and Parallel Printer Interface (optional)

Compatibility & Integration Built on the Agilent 8590 E-series spectrum analyzer platform. Supports optional circuit cards and application-specific measurement personalities for RF Wireless Communications, Cable TV, and EM applications.

Features & description

From manufacturer datasheet

Built-in measurement routines for automated EMC scans

Limit-line displays and transducer-factor corrections Optional tracking generator Option 010, 9 kHz to 2.9 GHz class EM Option 010 table Portable 8590 EM architecture (no external automation computer required) Technical Specifications Model: 8595EM Instrument Type: EMC precompliance analyzer Series Family: HP 8590 EM Series Frequency Range: 9 kHz to 6.5 GHz Emi Analysis Mode: built-in automated EMC precompliance (no external PC required) Spectrum Analysis Mode: full-function 8590 E-series spectrum analyzer via mode key Amplitude Correction: built-in correction for antenna, amplifier, and cable losses Limit Lines: limit-line displays for EMI masks Span Accuracy Span ≤ 10 MHz Times N: $\pm 2\%$ of span Span Accuracy Span Greater 10 MHz Times N: $\pm 3\%$ of span Residual Fm 1 KHz Rbw 8591 Class: ≤ 250 Hz pk-pk in 100 ms (8591E family table) Operating Temperature: 0 C to 55 C Storage Temperature: minus 40 C to +75 C Line Voltage: 90 to 132 or 198 to 264 V rms class E-series sheet Line Frequency: 47 to 66 Hz Power Consumption: less than 500 VA class E-series sheet Acoustic Noise Pressure: less than 37.5 dBA Zero Span: 0 Hz supported Remote Interface: HP-IB Form Factor: portable EMC analyzer based on 8590 E-series

8595EM Characteristics / Specifications

PARAMETER	VALUE
Model	8595EM
Instrument Type	EMC precompliance analyzer
Series Family	HP 8590 EM Series
Frequency Range	9 kHz to 6.5 GHz
Emi Analysis Mode	built-in automated EMC precompliance (no external PC required)
Spectrum Analysis Mode	full-function 8590 E-series spectrum analyzer via mode key
Amplitude Correction	built-in correction for antenna, amplifier, and cable losses
Limit Lines	limit-line displays for EMI masks
Span Accuracy Span Greater 10 MHz Times N	±3% of span
Residual Fm 1 Khz Rbw 8591 Class	≤250 Hz pk-pk in 100 ms (8591E family table)
Operating Temperature	0 C to 55 C
Storage Temperature	minus 40 C to +75 C
Line Voltage	90 to 132 or 198 to 264 V rms class E-series sheet
Line Frequency	47 to 66 Hz
Power Consumption	less than 500 VA class E-series sheet
Acoustic Noise Pressure	less than 37.5 dBA
Zero Span	0 Hz supported
Remote Interface	HP-IB
Form Factor	portable EMC analyzer based on 8590 E-series
Tracking Generator Option Family	Optional tracking generator Option 010, 9 kHz to 2.9 GHz class EM Option 010 table
Rf Output Frequency Range Option 010 Family	100 kHz to 1.8 GHz on 8591EM; 9 kHz to 2.9 GHz on 8593EM/8595EM/8596EM Option 010 table
Resolution Readout	four digits or 20 Hz times N, whichever greater
System Related Sidebands Offset Greater 30 Khz	≤ minus 65 dBc + 20 logNclass E-series

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to +75 C
Operating temperature	0 C to 55 C
Operating Temperature	0 C to 55 C
Line Voltage	90 to 132 or 198 to 264 V rms class E-series sheet
Line Frequency	47 to 66 Hz
Power Consumption	less than 500 VA class E-series sheet
Acoustic Noise Pressure	less than 37.5 dBA
Zero Span	0 Hz supported
Remote Interface	HP-IB
Form Factor	portable EMC analyzer based on 8590 E-series
Tracking Generator Option Family	Optional tracking generator Option 010, 9 kHz to 2.9 GHz class EM Option 010 table
Rf Output Frequency Range Option 010 Family	100 kHz to 1.8 GHz on 8591EM; 9 kHz to 2.9 GHz on 8593EM/8595EM/8596EM Option 010 table
Resolution Readout	four digits or 20 Hz times N, whichever greater
System Related Sidebands Offset Greater 30 Khz	$\leq$ minus 65 dBc + 20 logNclass E-series Notes Frequency span from Agilent 8590 C/E/L/Q and EM Series model table. Shared residual-FM, span-accuracy, environmental, and power rows from HP 8590 E-Series Portable Spectrum Analyzers product specifications (EM series is based on the E-series platform). Expand the exact EM verification-guide column before denser upload of detector/CISPR tables.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	8595EM
Instrument Type	EMC precompliance analyzer
Series Family	HP 8590 EM Series
Frequency Range	9 kHz to 6.5 GHz
Emi Analysis Mode	built-in automated EMC precompliance (no external PC required)
Spectrum Analysis Mode	full-function 8590 E-series spectrum analyzer via mode key
Amplitude Correction	built-in correction for antenna, amplifier, and cable losses
Limit Lines	limit-line displays for EMI masks
Span Accuracy Span ≤10 MHz Times N: ±2% of span	
Span Accuracy Span Greater 10 MHz Times N: ±3% of span	
Specifications	
PARAMETER	VALUE
Residual Fm 1 Khz Rbw 8591 Class	≤250 Hz pk-pk in 100 ms (8591E family table)
Operating Temperature	0 C to 55 C
Storage Temperature	minus 40 C to +75 C
Line Voltage	90 to 132 or 198 to 264 V rms class E-series sheet
Line Frequency	47 to 66 Hz
Power Consumption	less than 500 VA class E-series sheet
Acoustic Noise Pressure	less than 37.5 dBA
Zero Span	0 Hz supported
Remote Interface	HP-IB
Form Factor	portable EMC analyzer based on 8590 E-series
Tracking Generator Option Family	Optional tracking generator Option 010, 9 kHz to 2.9 GHz class EM Option 010 table
Rf Output Frequency Range Option 010 Family	100 kHz to 1.8 GHz on 8591EM; 9 kHz to 2.9 GHz on 8593EM/8595EM/8596EM Option 010 table
Resolution Readout	four digits or 20 Hz times N, whichever greater

PARAMETER	VALUE
System Related Sidebands Offset Greater 30 Khz	≤ minus 65 dBc + 20 logNclass E-series

Notes

Frequency span from Agilent 8590 C/E/L/Q and EM Series model table. Shared residual-FM, span-accuracy, environmental, and power rows from HP 8590 E-Series Portable Spectrum Analyzers product specifications (EM series is based on the E-series platform). Expand the exact EM verification-guide column before denser upload of detector/CISPR tables.

Ordering Information

OPTION	DESCRIPTION
Option 010	Family: 100 kHz to 1.8 GHz on 8591EM; 9 kHz to 2.9 GHz on 8593EM/8595EM/8596EM Option 010 table

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.