

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

HP / AGILENT

Repair and Service Evaluation - HP/Agilent 8510C 8510SX Network Analyzer System

Repair evaluation service for HP/Agilent 8510C and 8510SX Network Analyzer Systems. This service provides a comprehensive assessment of your network analyzer to identify necessary repairs and ensure optimal performance.



MODEL

**HP / Agilent 8510C
/ 8510SX**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

8510C / 8510SX

LISTING

<https://aumictechlabs.com/products/8510c-8510sx-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

Repair and Service Evaluation for HP/Agilent 8510C and 8510SX Network Analyzer Systems provides comprehensive assessment to identify necessary repairs and performance optimization opportunities. This evaluation service ensures accurate two-port network characterization, supporting measurement integrity across engineering, system integration, laboratory, and enterprise procurement environments. Technical Specifications The 8510C family measures magnitude, phase, and group delay of two-port networks with optional time domain response analysis via inverse Fourier transform computation. Frequency Coverage: 8510SX: 45 MHz to 26.5 GHz 8510E: 45 MHz to 20 GHz E7350A: 2 to 110 GHz E7340A: 2 to 85 GHz Waveguide bands: 33 GHz to 110 GHz 2.4 mm coax: 45 MHz to 50 GHz 1.0 mm coax: 45 MHz to 110 GHz Dynamic Range: Receiver dynamic range: up to 106 dB System dynamic range: up to 93 dB Power Levels:

Port 2 maximum: +20 dBm to +10 dBm (frequency-dependent) Port 1 reference: +2 dBm to -2 dBm
Port 2 minimum: -95 dBm Calibration: Supports TRL, full two-port, one-path 2-port, response and isolation, response, S11/S22 1-port, TRL 2-port, and receiver calibration methods. Utilizes calibration kits 85052C, 85052B, 85059A, and 85052D. Temperature stability of $\pm 1^\circ\text{C}$ required relative to initial measurement for full verifiability.

Key Features Modular system architecture enabling flexible source, test set, and accessory configurations 26.5 GHz synthesizer and S-parameter test set in 8510SX configuration 20 GHz synthesizer and S-parameter test set in 8510E configuration Complete 3.5 mm measurement accessory sets included with base configurations

Typical Applications Two-port network characterization, magnitude/phase measurement, group delay analysis, and optional time domain response evaluation for RF/microwave component and system assessment.

Compatibility & Integration The 8510C family supports multiple connector types and frequency bands through interchangeable measurement accessories and test set options, enabling adaptation to diverse measurement requirements across coaxial and waveguide standards.

Features & description

From manufacturer datasheet

Technical Specifications

8510SX: 45 MHz to 26.5 GHz 8510E: 45 MHz to 20 GHz E7350A: 2 to 110 GHz E7340A: 2 to 85 GHz
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HP / Agilent 8510C / 8510SX — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the HP / Agilent 8510C / 8510SX. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

HP / Agilent 8510C / 8510SX price

This HP / Agilent 8510C / 8510SX is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

HP / Agilent 8510C / 8510SX calibration cost

NIST-traceable calibration for the HP / Agilent 8510C / 8510SX is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Unit notes

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Technical Specifications

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Frequency Coverage: 8510SX: 45 MHz to 26.5 GHz 8510E: 45 MHz to 20 GHz E7350A: 2 to 110 GHz E7340A: 2 to 85 GHz

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2.4 mm coax: 45 MHz to 50 GHz

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Key Features

Modular system architecture enabling flexible source, test set, and accessory configurations

26.5 GHz synthesizer and S-parameter test set in 8510SX configuration

2

8510C / 8510SX Specifications

PARAMETER	VALUE
Frequency Range	45 MHz to 110 GHz (configuration dependent) Power Range (dBm): -95 dBm to +20 dBm

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.

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8510C / 8510SX Specifications

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Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

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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>

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