

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

ANRITSU

Anritsu S820C " Site Master Microwave Transmission Line and Antenna Analyzer; 3.3 GHz to 20.0 GHz

Anritsu S820C Site Master Microwave Transmission Line Analyzer The Anritsu S820C is a handheld Site Master microwave transmission line and antenna analyzer covering 3.3 GHz to 20.0 GHz. OEM product literature targets microwave feedline return loss, VSWR, and distance-to-fault measurements in the field. Microwave backhaul antenna system commissioning and maintenance from 3.3 GHz to 20 GHz. Microwave cable antenna analysis to 20 GHz The Anritsu S820C is a handheld Site Master microwave transmission line and antenna analyzer covering 3.3 GHz to 20.0 GHz. OEM product literature targets microwave feedline return loss, VSWR, and distance-to-fault measurements in the field. Microwave backhaul antenna system commissioning and maintenance from 3.3 GHz to 20 GHz. Microwave cable antenna analysis to 20 GHz Instrument Type: Handheld microwave Site Master cable and antenna analyzer



METRICTEST.COM

MODEL

Anritsu S820C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

S820C

LISTING

<https://aumictechlabs.com/products/s820c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu S820C Site Master is a handheld microwave transmission line and antenna analyzer operating from 3.3 GHz to 20.0 GHz. It delivers vector error-corrected measurements of return

loss, VSWR, cable loss, and distance-to-fault (DTF) with waveguide dispersion correction for accurate field diagnostics. The instrument locates transmission line faults using up to 517 data points and includes a fast tune mode with selectable resolution (65, 43, or 33 points) for efficient waveguide component adjustment. Technical Specifications Frequency Range: 3.3 GHz to 20.0 GHz Frequency Accuracy (CW mode): ± 75 ppm @ +25°C Return Loss Measurement Accuracy: $< 0.9 + |20 \log (1 \pm 10^{-E\Delta} / 20)|$ dB typical Immunity to Interfering Signals: -10 dBm Distance-to-Fault: Up to 517 data points with vector error correction and waveguide dispersion correction Display Resolution: 130, 259, or 517 data points selectable Tune Mode Resolution: 65, 43, or 33 data points Key Features Vector error correction for enhanced accuracy and repeatability Trace memory: 200 measurement traces Test setup storage: 10 configurations Custom cable configuration library: 50 entries Multilingual interface: English, German, French, Spanish, Portuguese, Chinese, and Japanese Bundled PC-based analysis software for trend reporting and graphical conversion to Windows-compatible formats Waveguide calibration kit with offset shorts (1/8 and 3/8 wavelength) and precision load Typical Applications Point-to-point and point-to-multipoint microwave link installation and verification Transmission line fault location and repair Antenna system tuning and performance validation Radio manufacturer factory acceptance testing Cellular operator site commissioning and maintenance Utility company microwave network diagnostics Compatibility & Integration Supports multiple flange connector types through dedicated waveguide calibration components. Data export to Windows workstations via bundled software for professional documentation and system analysis.

S820C Characteristics / Specifications

PARAMETER	VALUE
Frequency Range	3.3 GHz to 20.0 GHz
Instrument Type	Handheld microwave Site Master cable and antenna analyzer
Measurement Modes	Return loss VSWR cable loss DTF class
Dynamic Range Class	High dynamic range microwave Site Master class
Display	Handheld display class
RF Connectors Class	Precision microwave connectors class
Input Impedance	50 ohms class
Calibration	OSL field calibration class
Battery Operation	Yes
Form Factor	Handheld Site Master
Series Family	Anritsu S820C Microwave Site Master
Applications Class	Microwave transmission line and antenna field test
USB Or Serial Connectivity Class	Trace transfer supported class
Marker Functions	Multi marker with delta class
Distance To Fault	Supported
Operating Temperature Class	Field temperature range class
Weight Class	Handheld microwave analyzer weight
Storage	Internal trace and setup memory class
Sweep Speed Class	Fast field sweep class
Resolution Class	Fine frequency resolution class
Immunity Modes Class	RF immunity settings class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Operating temperature	Class: Field temperature range class
Humidity	Class: Up to 80 percent noncondensing class

PARAMETER	VALUE
Return loss	VSWR cable loss DTF class

S820C Specifications

PARAMETER	VALUE
Applications	Microwave backhaul antenna system commissioning and maintenance from 3.3 GHz to 20 GHz.
Key Features	Microwave cable antenna analysis to 20 GHz
Handheld battery operated platform	Site Master field workflow
Technical Specifications	Frequency Range: 3.3 GHz to 20.0 GHz

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Field temperature range class
Operating Temperature	Class: Field temperature range class
Humidity	Class: Up to 80 percent noncondensing class
Operating Temperature Class	Field temperature range class
Weight Class	Handheld microwave analyzer weight
Storage	Internal trace and setup memory class
Sweep Speed Class	Fast field sweep class
Resolution Class	Fine frequency resolution class
Immunity Modes Class	RF immunity settings class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class Notes
From Anritsu S820C OEM product documentation (queue title	3.3 GHz to 20.0 GHz). Confirm exact dynamic range and connector type on the unit datasheet revision.

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
Frequency Range	3.3 GHz to 20.0 GHz
Instrument Type	Handheld microwave Site Master cable and antenna analyzer
Measurement Modes	Return loss VSWR cable loss DTF class
Dynamic Range Class	High dynamic range microwave Site Master class
Display	Handheld display class
RF Connectors Class	Precision microwave connectors class
Input Impedance	50 ohms class
Calibration	OSL field calibration class
Battery Operation	Yes
Form Factor	Handheld Site Master
Series Family	Anritsu S820C Microwave Site Master
Applications Class	Microwave transmission line and antenna field test
USB Or Serial Connectivity Class	Trace transfer supported class
Marker Functions	Multi marker with delta class
Distance To Fault	Supported
Operating Temperature Class	Field temperature range class
Weight Class	Handheld microwave analyzer weight
Storage	Internal trace and setup memory class
Sweep Speed Class	Fast field sweep class
Resolution Class	Fine frequency resolution class
Immunity Modes Class	RF immunity settings class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Notes	
From Anritsu S820C OEM product documentation (queue title: 3.3 GHz to 20.0 GHz). Confirm exact dynamic range and connector type on the unit datasheet revision.	

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.