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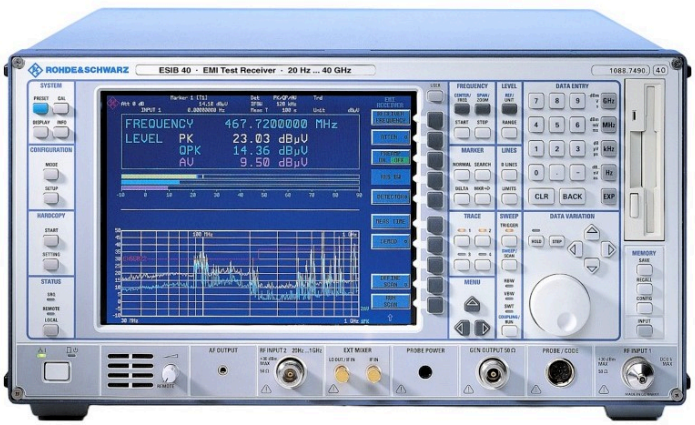
Data Sheet
August 13, 2026

ROHDE & SCHWARZ

Rohde & Schwarz ESIB26 EMI Test Receiver

Rohde & Schwarz ESIB26 EMI Test Receiver 20 Hz to 26.5 GHz The R&S ESIB26 is the 26.5 GHz member of the ESIB EMI test receiver family (order 1088.7490.26). Input 1 covers 20 Hz to 26.5 GHz; input 2 covers 20 Hz to 1 GHz with pulse protection. It combinesaCISPR 16-1-1 compliant receiver withahigh-end spectrum analyzer. Preselection uses three fixed-tuned and six or seven tracking filters. A 20 dB preamplifier to 7 GHz is standard (ESIB-B2 extends 7 GHz to 26.5 GHz). External mixers (FSE-B21) extend coverage toward 110 GHz. The R&S ESIB26 is the 26.5 GHz member of the ESIB EMI test receiver family (order 1088.7490.26). Input 1 covers 20 Hz to 26.5 GHz; input 2 covers 20 Hz to 1 GHz with pulse protection. It combinesaCISPR 16-1-1 compliant receiver withahigh-end spectrum analyzer. Preselection uses three fixed-tuned and six or seven tracking filters. A 20 dB preamplifier to 7 GHz is standard (ESIB-B2 extends 7 GHz to 26.5 GHz). External mixers (FSE-B21) extend coverage toward 110 GHz.



MODEL	CALIBRATION
Rohde & Schwarz ESIB26	Available on request
CONDITION	**STATUS**
Used	In stock
RFQ / SKU	**LISTING**
ESIB26	https://aumictechlabs.com/products/esib26-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Rohde & Schwarz ESIB26 is a dual-function EMI test receiver and spectrum analyzer engineered for electromagnetic compatibility testing across international standards including CISPR, EN, VDE, ANSI, FCC, and MIL-STD. The instrument combines high sensitivity, broad dynamic range, and selectivity required for standard-compliant EMI measurements with the operational speed and flexibility of a modern spectrum analyzer.Technical Specifications The

ESIB26 covers Input 1 from 20 Hz to 26.5 GHz, with Input 2 extending 20 Hz to 1 GHz and offering additional pulse protection. External mixers (Option FSE-B21) extend coverage to 110 GHz. Noise figure typically reaches 10 dB with inherent noise below -3 dBµV. Large-signal immunity is rated at +10 dBm (1 dB compression point), enabling measurements across wide dynamic ranges. Measurement accuracy is typically better than 0.7 dB, with uncertainty under 1 dB up to 1 GHz. The instrument delivers minimum measurement times of 100 µs and supports zero-span time-domain measurements with 50 ns resolution for interference source characterization. Resolution bandwidths include CISPR options at 200 Hz, 9 kHz, and 120 kHz, plus MIL-STD bandwidths from 10 Hz to 10 MHz (6 dB). Analyzer mode provides 1 Hz to 10 MHz adjustable in 1/2/3/5 steps (3 dB), with FFT filtering to 1 kHz available via Option B5. Automatic scanning stores four traces simultaneously - up to 80,000 values per trace (250,000 for single trace). Parallel detector operation supports up to four simultaneous detectors: Peak, Average, Quasi-Peak, CISPR Average, and RMS, with proper pulse weighting per CISPR 16-1-1 and VDE 0876.Key Features Dual receiver/analyzer operation with split-screen display capability Preselection in both receiver mode (fixed) and analyzer mode (selectable) Integrated 20 dB preamplifier Simultaneous multi-detector architecture for comprehensive signal characterizationTypical Applications The ESIB26 supports EMC test houses, service providers, governmental organizations, safety standard authorities, and military branches. Product development teams use the instrument from initial design stages through final certification testing.Compatibility & Integration The instrument meets requirements across CISPR, EN, VDE, ANSI, FCC, and MIL-STD specifications, enabling deployment in accredited test laboratories and industrial EMC environments.

Features & description

From manufacturer datasheet

Features

• Parallel detectors: peak, average, CISPR-average, quasi-peak, RMS (up to 4) • CISPR bandwidths 200 Hz, 9 kHz, 120 kHz, 1 MHz plus 10 MHz • Analyzer RBW 1 Hz to 10 MHz in 1/2/3/5 steps • Four traces, up to 80 000 values each (250 000 with one trace) • 24 cm color LCD; Windows NT internal controller • Level accuracy plus/minus 1 dB to 1 GHz

Applications

• Commercial and military EMI to CISPR, EN, FCC, MIL-STD, DO-160, VG • CISPR 25 vehicle-antenna measurements with the 20 dB preamp • Spectrum analysis: noise, phase noise, ACP, time domain • Preview peak scan plus final QP / CISPR-average measurements • mm-wave EMI with external mixers

ESIB26 Characteristics / Specifications

PARAMETER	VALUE
Model	ESIB26
Manufacturer	Rohde & Schwarz
Instrument Type	EMI test receiver / spectrum analyzer
Alias	ESIB 26; R&S ESIB26
Order Number	1088.7490.26
Frequency Range Input	20 Hz to 26.5 GHz
Frequency Resolution	0.01 Hz
External Mixer Extension	to 110 GHz with FSE-B21
CISPR Bandwidths	200 Hz, 9 kHz, 120 kHz, 1 MHz
Analyzer Bandwidths	1 Hz to 10 MHz, 1/2/3/5 steps
MIL Bandwidths	10 Hz to 1 MHz plus 10 MHz
Preamplifier Gain	20 dB, 9 kHz to 7 GHz (B2 to 26.5 GHz)
Preselection	3 fixed + 6 or 7 tracking filters
Detectors	PK, AV, CISPR AV, QP, RMS (max 4 parallel)
Display Range	noise floor to 137 dBµV
RF Attenuator	0 dB to 70 dB in 10 dB steps
Level Error to 1 GHz	plus/minus 1 dB
Frequency Response to 1 GHz	plus/minus 0.5 dB (analyzer, 10 dB att)
Frequency Response 18 to 26.5 GHz	plus/minus 2.5 dB
VSWR Receiver att 10 dB to 1 GHz	less than 1.2
Input 2 Connector	N female, 50 ohm
Display	24 cm LC color
Time Domain Resolution	50 ns
Trace Memory	4 traces x 80 000 (or 1 × 250 000)
Reference Aging per Day	1e-9

PARAMETER	VALUE
Reference Aging per Year	2e-7
Preamplifier Option ESIB B	20 dB, 7 GHz to 26.5 GHz
Sibling ESIB7 Range	20 Hz to 7 GHz, 1088.7490.07
Sibling ESIB40 Range	20 Hz to 40 GHz, 1088.7490.40 Notes Specs from the R&S ESIB EMI Test Receivers data sheet. Confirm ESIB-B2 microwave preamp, FSE-B21 mixer option, and firmware. This file is the 26.5 GHz ESIB26, not ESIB7 or ESIB40.
Spectrum analysis	noise, phase noise, ACP, time domain
Parallel detectors	peak, average, CISPR-average, quasi-peak, RMS (up to 4)

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	ESIB26
Manufacturer	Rohde & Schwarz
Instrument Type	EMI test receiver / spectrum analyzer
Alias	ESIB 26; R&S ESIB26
Order Number	1088.7490.26
Frequency Range Input 1	20 Hz to 26.5 GHz
Frequency Range Input 2	20 Hz to 1 GHz
Frequency Resolution	0.01 Hz
External Mixer Extension	to 110 GHz with FSE-B21
CISPR Bandwidths	200 Hz, 9 kHz, 120 kHz, 1 MHz
Analyzer Bandwidths	1 Hz to 10 MHz, 1/2/3/5 steps
MIL Bandwidths	10 Hz to 1 MHz plus 10 MHz
Preamplifier Gain	20 dB, 9 kHz to 7 GHz (B2 to 26.5 GHz)
Preselection	3 fixed + 6 or 7 tracking filters
Detectors	PK, AV, CISPR AV, QP, RMS (max 4 parallel)
Display Range	noise floor to 137 dBµV
RF Attenuator	0 dB to 70 dB in 10 dB steps
Level Error to 1 GHz	plus/minus 1 dB
Frequency Response to 1 GHz	plus/minus 0.5 dB (analyzer, 10 dB att)
Frequency Response 18 to 26.5 GHz	plus/minus 2.5 dB

VSWR Receiver att 10 dB to 1 GHz: less than 1.2

Specifications

PARAMETER	VALUE
Input 2 Connector	N female, 50 ohm
Display	24 cm LC color

PARAMETER	VALUE
Time Domain Resolution	50 ns
Trace Memory	4 traces x 80 000 (or 1 x 250 000)
Reference Aging per Day	1e-9
Reference Aging per Year	2e-7
Preamplifier Option ESIB B2	20 dB, 7 GHz to 26.5 GHz
Sibling ESIB7 Range	20 Hz to 7 GHz, 1088.7490.07
Sibling ESIB40 Range	20 Hz to 40 GHz, 1088.7490.40

Notes
Specs from the R&S ESIB EMI Test Receivers data sheet. Confirm ESIB-B2 microwave preamp, FSE-B21 mixer option, and firmware. This file is the 26.5 GHz ESIB26, not ESIB7 or ESIB40.

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

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