EMI-EMC Software: Comparison Handout

Laboratory and design-side tools at a glance. Companion to the EMI-EMC software training deck (2026 update).

Author: Dr. Ismail Cicek, GDS Engineering R&D, Inc.

Laboratory software comparison

Tool	Vendor	Verified highlights	Best fit
R&S ELEKTRA	Rohde & Schwarz	Successor to EMC32; ELEMI / ELEMS model family	R&S-based labs
ETS-Lindgren TILE 8	ETS-Lindgren	1,600+ drivers; Python; VisionTRX	Multi-vendor accredited labs
Raditeq RadiMation	Raditeq	6,000+ drivers; Essential and Pro tiers	Large, mixed instrument fleets
NEXIO BAT-EMC	NEXIO	Emission, immunity, automotive; BAT-SCANNER	Automotive laboratories
AR emcware	AR RF/Microwave	500+ profiles; v7 CISPR 16-1-4 site validation	Labs using AR amplifiers
Tekbox EMCview	Tekbox	Rigol / Siglent analyzers; about $449	In-house pre-compliance

Note: Based on vendor-published information; confirm details with each vendor before purchase.

Sources

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NEXIO. (2026). EMC measurement software. https://nexiogroup.com/en/emc-measurement-software/
AR RF/Microwave Instrumentation. (2026). AR emcware software: Automated EMC testing & reporting. https://www.arworld.us/Products/Software/emcware
Tekbox. (2026). EMCview PC software for EMC compliance testing. https://www.tekbox.com/product/emcview-pc-software-emc-compliance-testing/

Design software comparison

Tool	Approach	Typical stage	Best for
Ansys **Ansys HFSS / SIwave**	3D full-wave; PCB SI/PI	Concept to system	Antenna and system-level work
DASSAULT SYSTEMES **CST Studio Suite**	20+ solvers, multi-physics	System integration	Shielding, multi-physics
SIEMENS **Simcenter Feko**	Method of moments; harness toolbox	System integration	Automotive and cable harness
cadence® **Sigrity X / Clarity**	SI/PI/EM plus 3D transient	Layout to pre-prototype	PCB SI/PI/EMI
ZUKEN **Zuken EMC Advisor EX**	36 rule-based EMC checks	Layout	Fast in-CAD screening
SimYog **SimYog Compliance-Scope**	Virtual lab from PCB files	Pre-prototype	Virtual compliance
EMI Analyst	Frequency-domain estimation	Concept	Quick limit comparison

Note: Qualitative summary from vendor information; run a pilot on your own design before choosing.

Sources

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