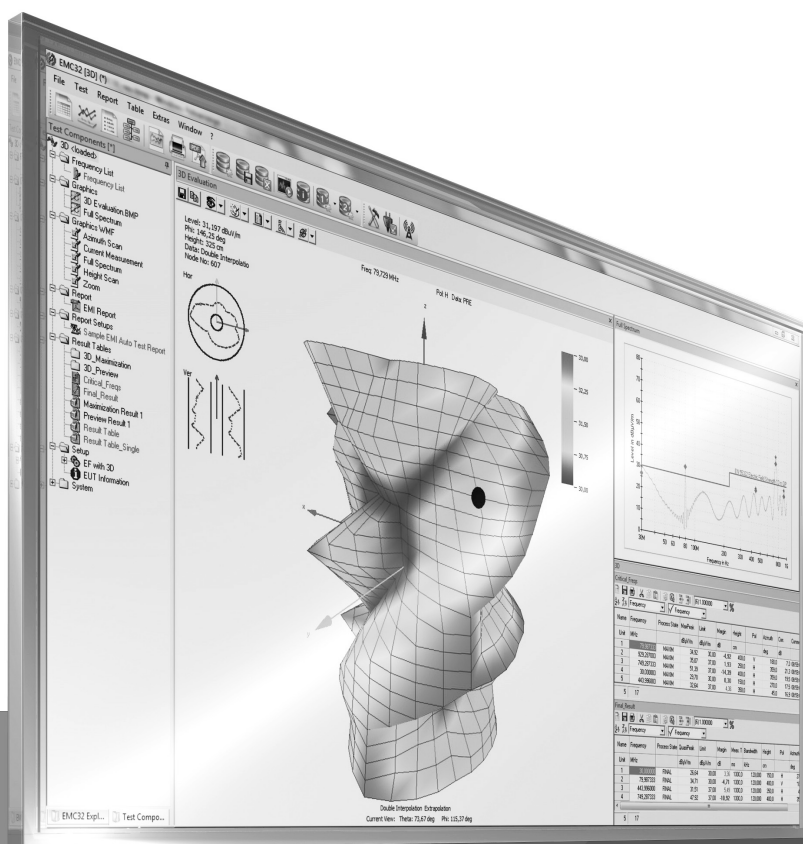


R&S® EMC32 EMC MEASUREMENT SOFTWARE

Specifications



致力于电子测试、维护领域!



Data Sheet
Version 13.00

ROHDE & SCHWARZ
Make ideas real



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R&S®EMC32-UP9 option for upgrade of emission and susceptibility base software to version 9.xx and 10.0 15

R&S®EMC32-K90 1 year EMI software upgrade service (software maintenance) 15

R&S®EMC32-K91 1 year EMS software upgrade service (software maintenance) 15

Ordering information **16**

Software version

The following specifications are valid for software version 10.60.10

User interface languages

The following user interface languages are supported in R&S®EMC32 version 10.60.10: English, German, French, Spanish, Chinese, Russian, Japanese

System requirements ¹

Operating system	Windows 10 (64 bit), Windows 7 (32/64 bit)
CPU	Intel Core models or compatible models with a core speed > 2.4 GHz
Free RAM	≥ 4 Gbyte
Free hard disk space	≥ 1 Gbyte, usage of SSD recommended
Graphics resolution	≥ 1280 × 1024 pixel, 65536 colors (higher resolution strongly recommended)
Network	100 Mbit LAN interface
National Instrument VISA I/O Library	Version 17.0 or later, optional NI GPIB interface cards: NI only, compatible GPIB cards from other manufactures are not supported
Open source acknowledgement	The R&S®EMC32 measurement software contains open source software packages. Copies of the respective licenses are included in the R&S®EMC32 measurement software open source acknowledgement. Please refer to the download area at www.emc32.rohde-schwarz.com

Base software packages

R&S®EMC32-EB, R&S®EMC32-MEB

EMI measurement software for conducted and radiated emissions

Standards	examples	CISPR
		EN
		ETSI
		FCC
		VCCI
		VDE
		MIL-STD-461
DEF-STAN		
Key features	<ul style="list-style-type: none"> • measurement of disturbance voltage, disturbance power and disturbance field strength • use in product certification and precompliance testing during development • in line with commercial, automotive and military standards • flexible adaptation to requirements of various EMC applications • libraries of limit lines for various international product standards and correction factors (antenna transducers, probes, LISNs, etc.) • integrated calibration concept • flexible report generator (HTML, RTF, PDF) • EUT-specific or application-specific test storage and data management • software operates as a virtual instrument 	

¹ If your PC does not meet these requirements, the performance of the software may be impaired.

Supported devices ²	test receivers	R&S®ESW
		R&S®ESU
		R&S®ESR
		R&S®ESRP
		R&S®ESCI
		R&S®ESPI
		R&S®ESL
		R&S®ESIB
		R&S®ESCS
		R&S®ESS
		R&S®ESPC
		R&S®ESHS/R&S®ESVS
		R&S®ESAI/R&S®ESBI/R&S®ESMI
		R&S®FSWT
		R&S®FSET
		R&S®ESN/R&S®ESVN
	spectrum analyzers	R&S®FSW
		R&S®FSV
		R&S®FSU
		R&S®FSP
		R&S®FSL
		R&S®FS300 (only 32 bit Windows)
		R&S®FSEA/R&S®FSEB/R&S®FSEM/ R&S®FSEK
	antenna masts and turntables	generic tripod
		Deisel HD100
		Innco CO2000
		Innco CO3000 incl. tilt with TPMP
		EMCO/ETS 2090
		ETS EMCENTER
		Frankonia FCTAM01/04/05
		Schaefer HCM/HCT
		SUNOL
		Maturo controller NCD, MCU, FCU
		generic mast/turntable
		Orbit/FR turntable
		R&S®DST200 positioner
	slide bars	Deisel / Maturo MCU, FCU
		Innco
		Schaefer HCA/RSA
	switch units	R&S®OSP
		R&S®TS-RSP
		R&S®SCIU
		R&S®RSU
		R&S®BBA100
		Teseo OAM01/OAM02
		Bonn RSU
		ADAM 6060
		generic switch unit
	signal generators	R&S®AM300 (only 32 bit Windows)
		R&S®SMG/H/Y
		R&S®SME
		R&S®SMT/R&S®SMP
		R&S®SML/R&S®SMV
	R&S®SMR	
	R&S®SMA100A/B	
	R&S®SMB100A/B	
	R&S®SMC100A	
	R&S®SMBV100A	
	R&S®SMU200A	
	R&S®SMJ100A	
	R&S®SMF100A	
	R&S®SM300 (only 32 bit Windows)	

² Please check the R&S®EMC32 installation CD for the operating system and the required firmware versions of the test instruments. Support of other devices on request.

R&S®EMC32-S, R&S®EMC32MS

EMS measurement software for conducted and radiated susceptibility

Standards	examples	IEC/EN 61000-4-3
		IEC/EN 61000-4-6
		IEC/EN 61000-4-20
		CISPR 24/EN 55024
		EN 60601-1-2
		EN 60601-2-x
Key features	<ul style="list-style-type: none"> • measurement of radiated and conducted susceptibility • use in product certification and testing during development • in line with commercial, automotive and military standards • flexible adaptation to requirements of various EMC applications • fully automatic control of EMS test system components • integrated calibration concept • various capabilities for EUT monitoring and EUT stimulation • interface to external EUT monitoring software • flexible report generator (HTML, RTF, PDF) • EUT-specific or application-specific test storage and data management • software operates as a virtual instrument 	
Supported devices ³	signal generators	R&S®AM300 (only 32 bit Windows)
		R&S®SMG/R&S®SMH/R&S®SMY
		R&S®SME
		R&S®SMT/R&S®SMP
		R&S®SML/R&S®SMV
		R&S®SMR
		R&S®SMA100A/B
		R&S®SMB100A/B
		R&S®SMB100B
		R&S®SMC100A
		R&S®SMBV100A
		R&S®SMU200A
		R&S®SMJ100A
		R&S®SMF100A
		R&S®SM300 (only 32 bit Windows)
		R&S®HMF2525
		HM8134
	HM8135	
	power meters	R&S®NRP2
		R&S®NRQ6
		R&S®NRP
		R&S®NRP-Zxx
		R&S®NRPxx-S(N)
		R&S®NRVD
		R&S®NRVS
		R&S®NRX
		R&S®URV5/R&S®NRV/R&S®URY
		R&S®URE3/R&S®URE2/R&S®URE
		Gigatronics 8650
		Agilent E4417/4412A/4413A
	test receivers	HP8508
		R&S®ESW
		R&S®ESU
R&S®ESR		
		R&S®ESRP

³ Please check the R&S®EMC32 installation CD for the operating system and the required firmware versions of the test instruments. Support of other devices on request.

Supported devices		R&S®ESCI
		R&S®ESPI
		R&S®ESL
		R&S®ESIB
		R&S®ESCS
		R&S®ESS
		R&S®ESPC
		R&S®ESHS/R&S®ESVS
		R&S®ESAI/R&S®ESBI/R&S®ESMI
		R&S®ES(V)N
		R&S®FSWT
		R&S®FSET
	spectrum analyzers	R&S®FSW
		R&S®FSV
		R&S®FSU
		R&S®FSP
		R&S®FSL
		R&S®FS300 (only 32 bit Windows)
		R&S®FSEA/R&S®FSEB/R&S®FSEM/ R&S®FSEK
	amplifiers	R&S®BBA100
		R&S®BBA130
		R&S®BBA150
		R&S®BBL200
		Bonn BLWA
		Bonn BLMA
		Bonn BTA
		Bonn BSA
		AR (SCIU controlled)
		AR (TSRSP controlled)
		AR TxGx
		generic amplifier
	switch units	R&S®OSP
		R&S®TS-RSP
		R&S®SCIU
		R&S®RSU
		R&S®BBA100
		Teseo OAM01/OAM02
		Bonn RSU
		ADAM 6060
		generic switch unit
	field sensors	AR IF7000
	ETS HI6100	
	Holiday IF4000	
	AR FA72xx	
	AR FM2000	
	AR FM5004	
	AR FM7004	
	AR FI7000	

Supported devices ⁴	field sensors	AR IF4000 ETS HI6xxx AR IF-4456 Narda EMR-200 Narda EMC-300 Narda NBM 520/550/580 PMM EP6xx PMM EHP-200 PMM OR03 PMM 8053 Wandel & Goltermann WG20 Dare RadiSense/RadiCentre IFI EFS-6 Wavecontrol SMP2 Generic field probe (e.g. Lumiloop LSPROBE 1.2)
	EUT monitoring	generic monitoring CE-SYS CECAM external PC monitoring mk-messtechnik video inserter Voelker SVG video inserter National Instruments USB 6009 meM-ADfo USB-AD16f memM-PIO USB I/O R&S [®] RTO R&S [®] RTM R&S [®] RTE R&S [®] UPL R&S [®] UPV R&S [®] UPP200/R&S [®] UPP400/ R&S [®] UPP800
	antenna masts and turntables	generic tripod Deisel HD100 Incco CO2000/CO3000 incl. Tilt with TMPM Dare Radicenter EMCO 2090 ETS 2090 ETS EMCenter Frankonia FCTAM01/04/05 Schaefer HCM/HCT SUNOL Maturo Controller MCU, NCD, FCU generic mast/turntable Orbit/FR turntable R&S [®] DST200 positioner
	interlock devices	R&S [®] TS-RSP R&S [®] SCIU Bonn Amplifier meM-PIO USB-I/O R&S [®] OSP R&S [®] BBA100 R&S [®] BBA150

⁴ Please check the R&S[®]EMC32 installation CD for the operating system and the required firmware versions of the test instruments. Support of other devices on request.

Options

R&S®EMC32-K1, R&S®EMC32MK1

EMS measurements in line with automotive and military standards

Required R&S®EMC licenses		R&S®EMC32-S
Standard	examples	ISO 11451 ISO 11452 MIL-STD-461E/F, CS114 MIL-STD-461E/F, RS103 RTCA DO 160 G SAE J1113 SAE J551 2004/104 EC ECE 10 revision 3 car manufacturer standards
Key features	<ul style="list-style-type: none"> enhanced EMS level functions monitoring of automotive bus systems (CAN, LIN, MOST, FlexRay™) automatic determination of immunity thresholds direct power injection measurements TEM cell attenuation measurement 	
Supported devices ⁵	arbitrary generators	R&S®AM300 (only 32 bit Windows) R&S®SMA100A pulse train option R&S®SMB100A pulse train option R&S®SMF100A pulse train option R&S®HMF2525, R&S®HMF2550 Agilent 33220A/33250A Tektronix AFG320
	EUT monitoring via R&S EMCAN32	Vector CANoe (V11) Vector CANalyzer (V11)

R&S®EMC32-K2, R&S®EMC32MK2

RSE and ABT measurements on wireless devices

Required R&S®EMC32 licenses		R&S®EMC32-S and/or R&S®EMC32-EB
Standard	examples	ETSI EN 301489-x ETSI EN 300607
Key features	<ul style="list-style-type: none"> radiated spurious emission (RSE) measurements audio breakthrough (ABT) measurements support of filter banks support of all major wireless technologies 	
Supported devices ⁵		R&S®CMW500 R&S®OSP-Fxxx R&S®CMU200 ⁶ R&S®CBT32 ⁶ R&S®PTW70 ⁶

⁵ Please check the R&S®EMC32 installation CD for the operating system and the required firmware versions of the test instruments. Support of other devices on request.

⁶ Discontinued product.

R&S®EMC32-K3, R&S®EMC32MK3 EMS measurements in reverberation chambers (mode-tuned method)

Required R&S®EMC32 licenses		R&S®EMC32-S, R&S®EMC32-K4
Standard	examples	IEC/EN 61000-4-21 Ford ES-XW7T-1A278-AC GMW3097 RTCA DO160 MIL-STD-461E/F
Key features	<ul style="list-style-type: none"> • calibration of reverberation chamber (loaded and unloaded) • EUT check • EUT test 	
Supported devices ⁷		tuner devices and turntable drivers (see R&S®EMC32-EB/R&S®EMC32-S)

R&S®EMC32-K4, R&S®EMC32MK4 EMS auto test

Required R&S®EMC32 licenses		R&S®EMC32-S
Key features	<ul style="list-style-type: none"> • sequential EUT tests with several parameters (loops) • several modulation modes • several turntable positions • several antenna polarizations 	
Supported devices ⁷	field probe positioning devices	TDK PP02 TDK SI200 Innco FSM2315 Innco FSM916 Beckmann Probotic Mature FPP

R&S®EMC32-K6, R&S®EMC32MK6 EMS measurements (CS103, CS104, CS105)

Required R&S®EMC32 licenses		R&S®EMC32-S, R&S®EMC32-K1
Standards		MIL-STD-461E/F, CS103, CS104, CS105
Key features	receiver sensitivity measurements	

R&S®EMC32-K7, R&S®EMC32MK7 generic device drivers

Required R&S®EMC32 licenses		R&S®EMC32-S and/or R&S®EMC32-EB
Key features	support of third-party instruments	
Supported devices ⁷	signal generators	generic generator
	power meters	generic power meter
	oscilloscopes (for EUT monitoring)	generic oscilloscope
	spectrum analyzers	generic analyzer
	test receivers	generic receiver

R&S®EMC32-K8, R&S®EMC32MK8 interface to lab management systems

Required R&S®EMC32 licenses		R&S®EMC32-S and/or R&S®EMC32-EB
Key features	<ul style="list-style-type: none"> • interface to dacore LabMan RS lab management software • interface to other products on request 	
Supported devices ⁷		dacore LabMan RS

⁷ Please check the R&S®EMC32 installation CD for the operating system and the required firmware versions of the test instruments. Support of other devices on request.

R&S®EMC32-K10, R&S®EMC32MK10 EMI autotest

Required R&S®EMC32 licenses		R&S®EMC32-EB
Key features	<ul style="list-style-type: none"> • test sequence for fully automatic, reproducible EMI measurements • preview measurement, data reduction and determination of critical frequencies • system check • stop/continue autotest flow • automatic report generation 	
Supported devices ⁸	spectrum analyzers	generic analyzer
	test receivers	generic receiver

R&S®EMC32-K10A EMI autotest extension for spurious measurements

Required R&S®EMC32 licenses		R&S®EMC32-EB and EMC32-K10
Key features	<ul style="list-style-type: none"> • extension to perform the spurious measurements in line with EN 300328, EN 301893 and EN 302502 	

R&S®EMC32-K11, R&S®EMC32MK11 test sequencer

Required R&S®EMC32 licenses		R&S®EMC32-S and/or R&S®EMC32-EB
Key features	<ul style="list-style-type: none"> • sequential test runs for both EMI and EMS measurements • test plan for different categories • individual and comprehensive reports in line with customer requirements 	

R&S®EMC32-K21, R&S®EMC32MK21 application interface

Required R&S®EMC32 licenses		R&S®EMC32-S and/or R&S®EMC32-EB
Key features	<ul style="list-style-type: none"> • automation of additional measurements using EMC test system • intuitive macro language for test sequence control with <ul style="list-style-type: none"> – mathematical operations – call of subprograms; access to remote interface (GPIB, LAN) • use as standalone test, action or EUT monitoring device 	

R&S®EMC32-K22, R&S®EMC32MK22 azimuth chart

Required R&S®EMC32 licenses		R&S®EMC32-EB
Key features	<ul style="list-style-type: none"> • measurement of radiation pattern (2D) • display as polar diagram (azimuth chart) • passive antenna measurement 	

R&S®EMC32-K23, R&S®EMC32MK23 3D result evaluation

Required R&S®EMC32 licenses		R&S®EMC32-EB, R&S®EMC32-K10
Key features	<ul style="list-style-type: none"> • evaluation of preview and/or maximization results of radiated OATS measurements • 3D chart (cylindrical coordinate characterization) for a specific frequency • easy chart generation using drag & drop • interactive rotation of chart • smooth scaling, zooming and interpolation • display of horizontal and vertical cuts 	

⁸ Please check the R&S®EMC32 installation CD for the operating system and the required firmware versions of the test instruments. Support of other devices on request.

R&S®EMC32-K24, R&S®EMC32MK24 interactive EMI auto test

Required R&S®EMC32 licenses		R&S®EMC32-EB, R&S®EMC32-K10
Key features	<ul style="list-style-type: none"> • interactive verification of critical frequencies and final measurement results • repetition of auto test measurement steps for selected frequencies 	

R&S®EMC32-K251, R&S®EMC32MK251 RSE and ABT measurements on TD-SCDMA devices

Required R&S®EMC32 licenses		R&S®EMC32-S and/or R&S®EMC32-EB, R&S®EMC32-K2, R&S®EMC32-K10
Standard	examples	ETSI EN 301489 ETSI EN 300607
Key features	measurement on TD-SCDMA devices	
Supported devices ⁹		R&S®CMW500

R&S®EMC32-K26, R&S®EMC32MK26 RSE and ABT measurements on LTE devices

Required R&S®EMC32 licenses		R&S®EMC32-S and/or R&S®EMC32-EB, R&S®EMC32-K2, R&S®EMC32-K10
Standard	examples	ETSI EN 301489 ETSI EN 300607
Key features	measurement on LTE devices	
Supported devices ⁹		R&S®CMW500 R&S®OSP with R&S®OSP-B155

R&S®EMC32-K27, R&S®EMC32MK27 dual receiver measurement

Required R&S®EMC32 licenses		R&S®EMC32-EB, R&S®EMC32-K10
Standards		all commercial EMI standards
Key features	<ul style="list-style-type: none"> • support of two receivers simultaneously e.g. one horizontal, the other vertical • reduced measurement time • versatile measurement modes • automatic antenna angle offset • separate receivers for antennas • sweep data from two receivers saved separately and merged before data reduction 	
Supported devices ⁹	Two receivers of the same product line required. Examples: R&S®ESW8 and R&S®ESW44 or R&S®FSV4 and R&S®FSV40	refer to R&S®EMC32-EB

⁹ Please check the R&S®EMC32 installation CD for the operating system and the required firmware versions of the test instruments. Support of other devices on request.

R&S®EMC32-K33, R&S®EMC32MK33 EMI measurements in reverberation chambers (mode-tuned method)

Required R&S®EMC32 licenses		R&S®EMC32-EB and R&S®EMC32-K10
Standard	examples	EN 61000-4-21 annex E
Key features	<ul style="list-style-type: none"> • preview measurement for different tuner steps in defined frequency subranges • calculation and display of the DUT's radiated power and estimated free-space field strength • optional data reduction to mark critical frequencies compared to limit line • use of chamber calibration data and DUT check data from R&S®EMC32-K3 susceptibility section 	
Supported devices ¹⁰		tuner devices and turntable drivers (see R&S®EMC32-EB/R&S®EMC32-S)

R&S®EMC32-K35, R&S®EMC32MK35 EMS measurements on multimedia receivers

Required R&S®EMC32 licenses		R&S®EMC32-S and R&S®EMC32-K35 ¹¹
Standard		CISPR 35
Key features	<ul style="list-style-type: none"> • control of broadcast generators • automatic adaptation of immunity shape taking into account tuner frequency range, tuned channel and spot tests • sound reference measurement 	
Supported devices ¹⁰		R&S®BTC R&S®SFE/R&S®SFE100, R&S®SFU, R&S®VTC, R&S®VTE, R&S®VTS, R&S®DVSG

R&S®EMC32-K37, R&S®EMC32MK37 EMS autotest: extension for sequences of multimedia tests

Required R&S®EMC32 licenses		R&S®EMC32-S, R&S®EMC32-K4, R&S®EMC32-K35
Key features	<ul style="list-style-type: none"> • extension to perform sequences of multimedia tests on broadcast receivers in line with CISPR 35 (R&S®EMC32-K35) • sequential EUT tests with several parameters (loops) <ul style="list-style-type: none"> - multimedia test type (audio or display), - multimedia broadcast channel (as supported by the selected broadcast generator instrument) - multimedia test port (as defined in the selected EUT Information file) 	

R&S®EMC32-K48, R&S®EMC32MK48 shielding effectiveness test

Required R&S®EMC licenses		R&S®EMC32-S, R&S®EMC32-K4
Standard	examples	IEEE 299 MIL-STD-285 MIL-STD-188-125-1 BS EN 50147-1 ASTM D4935-10 IEC 62153-4-6 other standards similar to the above
Key features	<ul style="list-style-type: none"> • automatic settings for optimized dynamic range • automatic settings for signal generation • control switching of signal generators and antennas • display of real time shielding effectiveness test results • automatic report generation 	

¹⁰ Please check the R&S®EMC32 installation CD for the operating system and the required firmware versions of the test instruments. Support of other devices on request.

¹¹ Some EMI measurements in line with CISPR 32 using R&S®EMC32-EB are also supported.

R&S®EMC32-K51, R&S®EMC32MK51 EMI band evaluation

Required R&S®EMC32 licenses		R&S®EMC32-EB
Standard	examples	Ford ES-XW7T-1A278-AC GMW 3091 GMW 3097
Key features	on-board EMI measurement sequence in broadband and communications frequency bands for automotive and aerospace applications	

R&S®EMC32-K52, R&S®EMC32MK52 Limit line based measurement sequence

Required R&S®EMC32 licenses		R&S®EMC32-EB, R&S®EMC32-K51
Standard		various automotive manufacturers' standard
Key features	<ul style="list-style-type: none"> • evaluation of measurement result against several, overlapping limit lines • reference lines for comparison of measurement results to previous measurements or reference measurements 	

R&S®EMC32-K56, R&S®EMC32MK56 EMI measurements on transmitters (in transmit mode)

Required R&S®EMC32 licenses		R&S®EMC32-EB, R&S®EMC32-K10
Standard	examples	MIL-STD-461E/F/G, CE106 MIL-STD-461E/F/G, RE103
Key features	<ul style="list-style-type: none"> • preview measurement with determination of fundamental frequency either automatically or via operator input • calculation and display of required limit line with increased margin level depending on harmonics number • optional data reduction to mark critical frequencies compared to limit line 	

R&S®EMC32-K61 device driver for compact conducted susceptibility tester

Required R&S®EMC32 licenses		R&S®EMC32-S, R&S®EMC32-K1 for automotive testing
Key features	<ul style="list-style-type: none"> • support for controlling internal RF generator, power meter, amplifier and switching unit • support for measurements in line with EN 61000-4-6 (R&S®EMC32-S) • support for measurement in line with ISO 11452-4 (BCI) (requires R&S®EMC32-K1) 	
Supported devices	• emtest CWS500N2 (firmware 3.22a03) via USB or GPIB	

R&S®EMC32-K84, R&S®EMC32MK84 report interface to word processing apps

Required R&S®EMC32 licenses		R&S®EMC32-S and/or R&S®EMC32-EB
Key features	<ul style="list-style-type: none"> • summary test report over a test session for a single EUT <ul style="list-style-type: none"> – report based on Word .dotx files referencing R&S®EMC32 report components via field text commands – main report section with test summary table – sub reports based on application specific sub report templates .dotx – easy selection of tests to be included in the summary report • single test report extension to output report as a Word .docx file 	

R&S®EMC32-K974 remote control interface for R&S®EMC32, R&S®AMS32 and R&S®WMS32

Required R&S®EMC32 licenses		R&S®EMC32-EB and/or R&S®EMC32-S
Key features	<ul style="list-style-type: none"> • load test • start test • stop test • pause test • save test 	

Software upgrade options

R&S®EMC32-U9E

option for upgrade of emission base software to version 9.xx and 10.0

Key features	<ul style="list-style-type: none"> • upgrade from R&S®EMC32-EB/R&S®EMC32-E/R&S®EMC32-E+ version 8.xx or lower to version 9.xx and 10.0 • R&S®EMC32-U9E is shipped as a key code
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R&S®EMC32-U9S

option for upgrade of susceptibility base software to version 9.xx and 10.0

Key features	<ul style="list-style-type: none"> • upgrade from R&S®EMC32-S version 8.xx or lower to version 9.xx and 10.0 • R&S®EMC32-U9S is shipped as a key code
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R&S®EMC32-UP9

option for upgrade of emission and susceptibility base software to version 9.xx and 10.0

Key features	<ul style="list-style-type: none"> • upgrade from R&S®EMC32-A/R&S®EMC32-A+/R&S®EMC32-C/R&S®EMC32-W+ version 8.xx or lower to version 9.xx and 10.0
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R&S®EMC32-K90

1 year EMI software upgrade service (software maintenance)

Prerequisites	<ul style="list-style-type: none"> • R&S®EMC32-EB, R&S®EMC32MEB (or legacy EMI base license) with upgrade to version 9 and 10 (R&S®EMC32-U9E)
Key features	<ul style="list-style-type: none"> • allows users to run version 11 and future software versions with their R&S®EMC32-EB (and legacy EMI licenses), when version 11 and the future software version is released during the validity period of the R&S®EMC32-K90 • software options (Kxx) are automatically covered with R&S®EMC32-K90 • R&S®EMC32-K90 is shipped as a key code

R&S®EMC32-K91

1 year EMS software upgrade service (software maintenance)

Prerequisites	<ul style="list-style-type: none"> • R&S®EMC32-S, R&S®EMC32-MS with upgrade to version 9 and 10 (R&S®EMC32-U9S)
Key features	<ul style="list-style-type: none"> • allows users to run version 11 and future software versions with their R&S®EMC32-S, when version 11 and the future software version is released during the validity period of the R&S®EMC32-K91 • software options (Kxx) are automatically covered with R&S®EMC32-K91 • R&S®EMC32-K91 is shipped as a key code

Ordering information

Designation	Type	Order No.
Base software		
EMI measurement software, for conducted and radiated emissions	R&S®EMC32-EB	1300.7010.02
EMS measurement software, for conducted and radiated susceptibility	R&S®EMC32-S	1119.4638.02
Options		
EMS measurements in line with automotive and military standards	R&S®EMC32-K1	1147.5493.02
RSE and ABT measurements on wireless devices	R&S®EMC32-K2	1147.5506.02
EMS measurements in reverberation chambers (mode-tuned method)	R&S®EMC32-K3	1147.5512.02
EMS auto test	R&S®EMC32-K4	1147.5529.02
EMS measurements (CS103, CS104, CS105)	R&S®EMC32-K6	1147.5541.02
Generic device drivers	R&S®EMC32-K7	1144.5134.02
Interface to lab management systems	R&S®EMC32-K8	1117.7652.02
EMI auto test	R&S®EMC32-K10	1117.6840.02
EMI auto test extension for spurious measurements	R&S®EMC32-K10A	1527.1050.02
Test sequencer	R&S®EMC32-K11	1117.6862.02
Application interface	R&S®EMC32-K21	1117.7630.02
Azimuth chart	R&S®EMC32-K22	1117.7646.02
3D Result evaluation	R&S®EMC32-K23	1504.9190.02
Interactive EMI auto test	R&S®EMC32-K24	1518.3202.02
RSE and ABT measurements on TD-SCDMA devices	R&S®EMC32-K251	1520.5250.02
RSE and ABT measurements on LTE devices	R&S®EMC32-K26	1518.1739.02
Dual receiver measurement	R&S®EMC32-K27	5601.0324.02
EMI measurements in reverberation chambers (mode-tuned method)	R&S®EMC32-K33	1515.2663.02
EMS measurements on multimedia receivers	R&S®EMC32-K35	1519.6270.02
EMS auto test, extension for sequences of multimedia tests	R&S®EMC32-K37	1519.6292.02
Shielding effectiveness test	R&S®EMC32-K48	5601.0301.02
EMI band evaluation	R&S®EMC32-K51	1504.9026.02
Limit line based measurement sequence	R&S®EMC32-K52	1531.5186.02
EMI measurements on transmitters (in transmit mode)	R&S®EMC32-K56	1504.9226.02
Device driver for compact conducted susceptibility tester	R&S®EMC32-K61	1529.7879.02
Report interface to word processing apps	R&S®EMC32-K84	1522.9076.02
Remote control interface for R&S®EMC32, R&S®AMS32 and R&S®WMS32	R&S®EMC32-K974	1520.9879.02
Upgrade of R&S®EMC32-EB, R&S®EMC32-E or R&S®EMC32-E+ to version 9.xx and 10.0	R&S®EMC32-U9E	1518.2870.02
Upgrade of R&S®EMC32-S to version 9.xx and 10.0	R&S®EMC32-U9S	1518.2829.02
Upgrade from R&S®EMC32-A/R&S®EMC32-A+/R&S®EMC32-C/R&S®EMC32-W+ version 8.xx or lower to version 9.xx and 10.0	R&S®EMC32-UP9	1504.9010.14
1 year EMI software upgrade service (software maintenance)	R&S®EMC32-K90	1529.7891.02
1 year EMS software upgrade service (software maintenance)	R&S®EMC32-K91	1529.7904.02

A multi-user license concept is available for customers who need more than one license per location.

Download of R&S®EMC32 EMC measurement software: www.rohde-schwarz.com/software/emc32



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