

Rohde & Schwarz

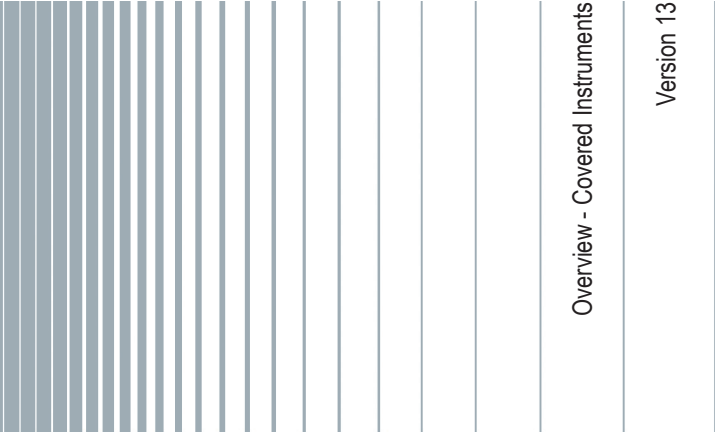
Instrument Security Procedure

Documents

Overview - Covered Instruments



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Throughout this manual, the products from Rohde & Schwarz are indicated without the ® symbol, e.g. R&S®FSW is indicated as R&S FSW.

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1 Overview

In many cases, it is imperative that Rohde & Schwarz instruments are used in a secured environment. Generally these highly secured environments do not allow any test equipment to leave the area unless it can be proven that no user information leaves with the test equipment. Security concerns can arise when devices need to leave a secured area, e.g., to be calibrated or serviced.

The Instrument Security Procedure documents for the Rohde & Schwarz instruments describe the types of memory and their usage in the Rohde & Schwarz instruments. They provide a statement regarding the volatility of all memory types and specify the steps required to declassify an instrument through memory sanitization procedures.



You can directly access the specific instrument security procedure document by selecting the document number in the table, and following the hyperlink.

2 Certificate of Volatility

Before you can remove an Rohde & Schwarz instrument from a secured area (for example to perform service or calibration), all classified user data needs to be removed. You can declassify the Rohde & Schwarz instrument as described in the section “Instrument Declassification” of the Instrument Security Procedure document for that specific Rohde & Schwarz instrument.



Rohde & Schwarz certifies that after performing the described instrument declassification procedure that no user data is left on the Rohde & Schwarz instrument.

3 Instrument Security Procedures Documents

Table 3-1: Signal & Spectrum Analyzer

Product	Document Number	Model	Order Number
R&S FSH3 Handheld Spectrum Analyzer	1171.5748.52	R&S FSH3 - Model 03 R&S FSH3 - Model 13 R&S FSH3 - Model 23 R&S FSH6 - Model 06 R&S FSH6 - Model 26 R&S FSH18 - Model 18	1145.5850.03 1145.5850.13 1145.5850.23 1145.5850.06 1145.5850.26 1145.5850.18
R&S FSH Handheld Spectrum Analyzer	1173.9128.52	R&S FSH4 - Model 04 R&S FSH4 - Model 14 R&S FSH4 - Model 24 R&S FSH8 - Model 08 R&S FSH8 - Model 18 R&S FSH8 - Model 28 R&S FSH13 - Model 13 R&S FSH13 - Model 23 R&S FSH20 - Model 20 R&S FSH20 - Model 30	1309.6000.04 1309.6000.14 1309.6000.24 1309.6000.08 1309.6000.18 1309.6000.28 1314.2000.13 1314.2000.23 1314.2000.20 1314.2000.30
R&S ZVH Cable and Antenna Analyzer	1178.4324.02	R&S ZVH4 R&S ZVH8	1309.6800.24 1309.6800.28
R&S ZPH Cable and Antenna Analyzer	1178.9390.02	R&S ZPH	1321.1211.02 1321.1211.12 1321.1211.52
R&S FSMR Measuring Receiver	1178.6427.02	R&S FSMR3 R&S FSMR26 R&S FSMR43 R&S FSMR50	1313.9200.03 1313.9200.26 1313.9200.43 1313.9200.50
R&S FSQ Signal Analyzer	1171.5690.52	R&S FSQ3 R&S FSQ8 R&S FSQ26 R&S FSQ40	1313.9100.03 1313.9100.08 1313.9100.26 1313.9100.40
R&S FSU Spectrum Analyzer	1171.5719.52	R&S FSU3 R&S FSU8 R&S FSU26 R&S FSU43 R&S FSU46 R&S FSU50 R&S FSU50 R&S FSU67	1313.9000.03 1313.9000.08 1313.9000.26 1313.9000.43 1313.9000.46 1313.9000.50 1313.9000.49 1313.9000.67 1313.9000.66

Product	Document Number	Model	Order Number
R&S FSG Spectrum Analyzer	1171.5754.52	R&S FSG8 R&S FSG13	1309.0002.08 1309.0002.13
R&S FSP Spectrum Analyzer	1171.5725.52	R&S FSP3 R&S FSP7 R&S FSP13 R&S FSP30 R&S FSP40	1164.4391.03 1164.4391.07 1164.4391.13 1164.4391.30 1164.4391.40
R&S FSUP Signal Source Analyzer	1171.5702.52	R&S FSUP8 R&S FSUP26 R&S FSUP50	1166.3505.09 1166.3505.27 1166.3505.51
R&S FSC Spectrum Analyzer	1173.1004.52	R&S FSC3 R&S FSC6	1314.3006.03 1314.3006.13 1314.3006.06 1314.3006.16
R&S FPC1000 Spectrum Analyzer	1178.6440.02	R&S FPC1000	1328.6660.02
R&S FPH Spectrum Analyzer	1178.8994.02	R&S FPH	1321.1111.02 1321.1111.06 1321.1111.13 1321.1111.26 1321.1111.52 1321.1111.56 1321.1111.63 1321.1111.76
R&S FPL1000 Spectrum Analyzer	1178.6810.02	R&S FPL1003 R&S FPL1007	1304.0004.03 1304.0004.07
R&S FSV Signal Analyzer	1176.8097.02	R&S FSV4 R&S FSV7 R&S FSV13 R&S FSV30 R&S FSV40 R&S FSV40-N	1321.3008.04 1307.9002.07 1321.3008.07 1307.9002.13 1321.3008.13 1307.9002.30 1321.3008.30 1307.9002.39 1307.9002.40 1321.3008.39 1321.3008.40 1307.9002.37 1307.9002.38

Product	Document Number	Model	Order Number
R&S FSVA Signal Analyzer	1176.8097.02	R&S FSVA4 R&S FSVA7 R&S FSVA13 R&S FSVA30 R&S FSVA40	1321.3008.05 1321.3008.08 1321.3008.14 1321.3008.31 1321.3008.41
R&S FSVR Real-Time Spectrum Analyzer	1173.1333.52	R&S FSVR7 R&S FSVR13 R&S FSVR30 R&S FSVR40	1311.0006.07 1311.0006.13 1311.0006.30 1311.0006.40
R&S FPS Signal Analyzer	1176.9093.02	R&S FPS4 R&S FPS7 R&S FPS13 R&S FPS30 R&S FPS40	1319.2008.04 1319.2008.07 1319.2008.13 1319.2008.30 1319.2008.40
R&S FSW Signal Analyzer	1173.9986.02	R&S FSW8 R&S FSW13 R&S FSW26 R&S FSW43 R&S FSW50 R&S FSW67 R&S FSW85 R&S FSW8 R&S FSW13 R&S FSW26 R&S FSW43 R&S FSW50 R&S FSW67 R&S FSW85	1312.8000.08 1312.8000.13 1312.8000.26 1312.8000.43 1312.8000.50 1312.8000.67 1312.8000.85 1331.5003.08 1331.5003.13 1331.5003.26 1331.5003.43 1331.5003.50 1331.5003.67 1331.5003.85
R&S FSWP Phase Noise Analyzer	1177.5704.02	R&S FSWP8 R&S FSWP26 R&S FSWP50	1322.8003.08 1322.8003.26 1322.8003.50

Table 3-2: EMI Test Receiver

Product	Document Number	Model	Order Number
R&S ESU EMI Test Receiver	1171.5783.52	R&S ESU8 R&S ESU26 R&S ESU40	1302.6005.08 1302.6005.26 1302.6005.40
R&S ESRP EMI Test Receiver	1175.7474.02	R&S ESRP3 R&S ESRP7	1316.4500.03 1316.4500.07

Product	Document Number	Model	Order Number
R&S ESR EMI Test Receiver	1175.7000.02	R&S ESR3	1316.3003.03
		R&S ESR7	1316.3003.07
		R&S ESR26	1316.3003.26
R&S ESW EMI Test Receiver	1177.6369.02	R&S ESW8	1328.4100.08
		R&S ESW26	1328.4100.26
		R&S ESW44	1328.4100.44

Table 3-3: Network Analyzer

Product	Document Number	Model	Order Number
R&S ZVA Vector Network Analyzer	1171.5683.52	R&S ZVA8 - 2 port	1145.1110.08
		R&S ZVA8 - 4 port	1145.1110.10
		R&S ZVA24 - 2 port	1145.1110.24
		R&S ZVA24 - 4 port	1145.1110.26
		R&S ZVA24 - 4 port, 4 internal sources	1145.1110.28
		R&S ZVA40 - 2 port	1145.1110.40
			1145.1110.43
		R&S ZVA40 - 4 port	1145.1110.42
			1145.1110.45
		R&S ZVA40 - 4 port, 4 internal sources	1145.1110.48
		R&S ZVA50 - 2 port	1145.1110.50
		R&S ZVA50 - 4 port	1145.1110.52
		R&S ZVA67 - 2 port	1305.7002.02
		R&S ZVA67 - 4 port, 4 internal sources	1305.7002.04
R&S ZVA110 - 2 port	1312.7004.03		
R&S ZVAX-TRM Extension Unit	1177.6030.02	R&S ZVAX-TRM24	1322.6500.24
		R&S ZVAX-TRM40	1322.6500.40
		R&S ZVAX-TRM50	1322.6500.50
		R&S ZVAX-TRM67	1322.6500.67
R&S ZVB Vector Network Analyzer	1171.5677.52	R&S ZVB4 - 2 port	1145.1010.04
		R&S ZVB4 - 4 port	1145.1010.06
		R&S ZVB8 - 2 port	1145.1010.08
		R&S ZVB8 - 4 port	1145.1010.10
		R&S ZVB14 - 2 port	1145.1010.14
			1145.1010.17
		R&S ZVB20 - 2 port	1145.1010.20
		R&S ZVB20 - 4 port	1145.1010.23
	1145.1010.25		

Product	Document Number	Model	Order Number
R&S ZNA Vector Network Analyzer	1178.9826.02	R&S ZNA26 - 2 port (3.5 mm connectors)	1332.4500.22
		R&S ZNA26 - 4 port (3.-5 mm connectors)	1332.4500.24
		R&S ZNA43 - 2 port (2,92 mm connectors)	1332.4500.42
		R&S ZNA43 - 4 port (2.92 mm connectors)	1332.4500.44
		R&S ZNA43 - 2 port (2.4 mm connectors)	1332.4500.43
		R&S ZNA43 - 4 port (2.4 mm connectors)	1332.4500.45
		R&S ZNB Vector Network Analyzer	1175.6403.02
R&S ZNBT Vector Network Analyzer	1175.6403.02	R&S ZNBT8 - up to 24 ports R&S ZNBT20 - up to 16 ports	1318.7006.24 1332.9002.24
R&S ZNC Vector Network Analyzer	1175.6403.02	R&S ZNC3	1311.6004.12
R&S ZND Vector Network Analyzer	1175.6403.02	R&S ZND	1328.5170.92
R&S ZNLE Vector Network Analyzer	1178.6533.02	R&S ZNLE3 - 2 port	1323.0012.53
		R&S ZNLE6 - 2 port	1323.0012.56
R&S ZNL Vector Network Analyzer	1178.6827.02	R&S ZNL3 - 2 port	1323.0012.03
		R&S ZNL6 - 2 port	1323.0012.06

Product	Document Number	Model	Order Number
R&S ZN-154 Calibration Units	1178.3311.02	R&S ZN-Z154 - 6 port	1319.5120.02
R&S RSC Step Attenuator	1176.7949.02	R&S RSC Model 02 R&S RSC Model 03 R&S RSC Model 04 R&S RSC Model 05 R&S RSC Model 13 R&S RSC Model 14 R&S RSC Model 15 R&S RSC-Z405 (external Step Attenuator) R&S RSC-Z675 (external Step Attenuator)	1313.8004.02 1313.9000.03 1313.9000.04 1313.9000.05 1313.9000.13 1313.9000.14 1313.9000.15 1313.9952.02 1314.0065.02

Table 3-4: Wireless Communication Tester

Product	Document Number	Model	Order Number
R&S CMA Radio Test Set	1209.7041.02	R&S CMA180	1173.2000.18

Table 3-5: Radar Echo Generator

Product	Document Number	Model	Order Number
R&S AREG100A Automotive Radar Echo Generator	1178.9510.02	R&S AREG100A	1430.3508.02

Table 3-6: Signal Generator

Product	Document Number	Model	Order Number
R&S SMF100A Microwave Signal Generator	1177.5191.02	R&S SMF100A	1167.0000.02
R&S SMA100A Signal Generator	1177.5185.02	R&S SMA100A	1400.0000.02
R&S SMA100B RF and Microwave Analog Signal Generator	1178.6156.02	R&S SMA100B	1419.8888.02
R&S SMB100A RF & Microwave Signal Generator	1176.9041.02	R&S SMB100A	1406.6000.02
R&S SMB100B RF Signal Generator	1178.9026.02	R&S SMB100B	1422.1000.02
R&S SMC100A Signal Generator	1176.9087.02	R&S SMC100A	1411.4002.02
R&S AFQ100B UWB Signal & I/Q Modulation Generator	1178.4618.02	R&S AFQ100B	1410.9000.02

Product	Document Number	Model	Order Number
R&S SMBV100A Vector Signal Generator	1176.9070.02	R&S SMBV100A	1407.6004.02
R&S SMBV100B Vector Signal Generator	1178.9032.02	R&S SMBV100B	1423.1003.02
R&S SMBV-Z1 Reference Frequency Converter	1178.6262.02	R&S SMBV-Z1	1418.8003.02
R&S SMW200A Vector Signal Generator	1176.7855.02	R&S SMW200A	1412.0000.02
R&S SGS100A SGMA RF Source	1175.6332.02	R&S SGS100A	1416.0505.02
R&S SGT100A SGMA Vector RF Source	1176.9712.02	R&S SGT100A	1419.4501.02
R&S SGU100A SGMA Upconverter	1176.9729.02	R&S SGU100A	1416.0808.02

Table 3-7: Oscilloscopes

Product	Document Number	Model	Order Number
R&S RTH Scope Rider Handheld Digital Oscilloscope	1178.3757.02	R&S RTH1002	1317.5000.02
		R&S RTH1004	1317.5000.04
R&S RTO1000 Digital Oscilloscope	1173.1379.52	R&S RTO1002	1316.1000.02
		R&S RTO1004	1316.1000.04
		R&S RTO1012	1316.1000.12
		R&S RTO1014	1316.1000.14
		R&S RTO1022	1316.1000.22
		R&S RTO1024	1316.1000.24
		R&S RTO1044	1316.1000.44
R&S RTO2000 Digital Oscilloscope	1178.4624.02	R&S RTO2002	1329.7002.02
		R&S RTO2004	1329.7002.04
		R&S RTO2012	1329.7002.12
		R&S RTO2014	1329.7002.14
		R&S RTO2022	1329.7002.22
		R&S RTO2024	1329.7002.24
		R&S RTO2032	1329.7002.32
		R&S RTO2034	1329.7002.34
		R&S RTO2044	1329.7002.44
R&S RTO2064	1329.7002.64		

Product	Document Number	Model	Order Number
R&S RTE Digital Oscilloscope	1176.9270.02	R&S RTE1022	1326.2000.22
			1317.2500.22
		R&S RTE1024	1326.2000.24
			1317.2500.24
		R&S RTE1032	1326.2000.32
			1317.2500.32
		R&S RTE1034	1326.2000.34
			1317.2500.34
		R&S RTE1052	1326.2000.52
			1317.2500.52
		R&S RTE1054	1326.2000.54
			1317.2500.54
		R&S RTE1102	1326.2000.62
			1317.2500.62
R&S RTE1104	1326.2000.64		
	1317.2500.64		
R&S RTE1152	1326.2000.72		
R&S RTE1154	1326.2000.74		
R&S RTE1202	1326.2000.82		
R&S RTE1204	1326.2000.84		
R&S RTM2000 Digital Oscilloscope	1176.8239.02	R&S RTM2022	5710.0999.22
		R&S RTM2024	5710.0999.24
		R&S RTM2032	5710.0999.32
		R&S RTM2034	5710.0999.34
		R&S RTM2052	5710.0999.52
		R&S RTM2054	5710.0999.54
		R&S RTM2102	5710.0999.02
		R&S RTM2104	5710.0999.04
R&S RTP Digital Oscilloscope	1337.9975.02	R&S RTP044	1320.5007.04
		R&S RTP064	1320.5007.06
		R&S RTP084	1320.5007.08

Table 3-8: Power Meter / Power Sensor

Product	Document Number	Model	Order Number
R&S NRP2 Power Meter	1176.7932.02	R&S NRP2	1144.1374.02
R&S NRPxxS(N)	1177.5104.02	R&S NRP8S R&S NRP8SN R&S NRP18S R&S NRP18SN R&S NRP18S-10 R&S NRP18S-20 R&S NRP18S-25 R&S NRP33S R&S NRP33SN R&S NRP33SN-V R&S NRP40S R&S NRP40SN R&S NRP50S R&S NRP50SN	1419.0006.02 1419.0012.02 1419.0029.02 1419.0035.02 1424.6721.02 1424.6738.02 1424.6744.02 1419.0064.02 1419.0070.02 1419.0129.02 1419.0041.02 1419.0058.02 1419.0087.02 1419.0093.02
R&S NRPxxA(N)	1177.5104.02	R&S NRP6A R&S NRP6AN R&S NRP18A R&S NRP18AN	1424.6796.02 1424.6809.02 1424.6815.02 1424.6821.02
R&S NRPxxT(N)	1177.5104.02	R&S NRP18T R&S NRP18TN R&S NRP33T R&S NRP33TN R&S NRP40T R&S NRP40TN R&S NRP50T R&S NRP50TN R&S NRP67T R&S NRP67TN R&S NRP110T	1424.6115.02 1424.6121.02 1424.6138.02 1424.6144.02 1424.6150.02 1424.6167.02 1424.6173.02 1424.6180.02 1424.6196.02 1424.6209.02 1424.6215.02
R&S NRPxxTWG	1177.5104.02	R&S NRP75TWG R&S NRP90TWG R&S NRP110TWG	1700.2529.02 1700.2312.02 1173.8709.02
R&S NRP-Z5 USB Sensor Hub	1178.4753.02	R&S NRP-Z5	1146.7740.02

Product	Document Number	Model	Order Number
R&S NRP-Z Series Power Sensors	1173.0850.52	R&S NRP-Z11	1138.3004.02
			1138.3004.04
		R&S NRP-Z21	1137.6000.02
		R&S NRP-Z22	1137.7506.02
		R&S NRP-Z23	1137.8002.02
		R&S NRP-Z24	1137.8502.02
		R&S NRP-Z27	1169.4102.02
		R&S NRP-Z28	1170.8008.02
		R&S NRP-Z31	1169.2400.02
			1169.2400.04
		R&S NRP-Z37	1169.3206.02
		R&S NRP-Z41	1171.8801.02
		R&S NRP-Z51	1138.0005.02
			1138.0005.03
			1138.0005.62
		R&S NRP-Z52	1138.0505.02
			1138.0505.18
			1138.0505.62
		R&S NRP-Z55	1138.2008.02
			1138.2008.03
			1138.2008.04
		R&S NRP-Z56	1171.8201.02
		R&S NRP-Z57	1171.8401.02
		R&S NRP-Z58	1173.7031.02
		R&S NRP-Z61	1171.7505.02
		R&S NRP-Z81	1137.9009.02
		R&S NRP-Z85	1411.7501.02
		R&S NRP-Z86	1417.0109.40
			1417.0109.44
		R&S NRP-Z91	1168.8004.02
			1168.8004.04
			1168.8004.08
		R&S NRP-Z92	1171.7005.02
	1171.7005.42		
R&S NRP-Z98	1170.8508.02		
R&S NRP-Z211	1417.0409.02		
	1417.0409.04		
R&S NRP-Z221	1417.0309.02		
R&S NRP-Z311	1171.8601.02		
R&S FSH-Z1	1155.4505.02		
R&S FSH-Z18	1165.1909.02		