

## Specifications

Specifications apply under the following conditions:

30 minutes warm-up time at ambient temperature, specified environmental conditions met, calibration cycle adhered to, and total calibration performed.

Data without tolerances: typical values only.

Data designated "nominal" apply to design parameters and are not tested.

Data designated " $\sigma = xx \text{ dB}$ " are shown as standard deviation

	R&S FSU3	R&S FSU8	R&S FSU26
<b>Frequency</b>			
Frequency range			
DC coupled	20 Hz to 3.6 GHz	20 Hz to 8 GHz	20 Hz to 26.5 GHz
AC coupled	1 MHz to 3.6 GHz	1 MHz to 8 GHz	10 MHz to 26.5 GHz
Frequency resolution	0.01 Hz		
<b>Internal reference frequency (nominal) with standard OCXO</b>			
Aging per day <sup>1)</sup>	1 x 10 <sup>-9</sup>		
Aging per year <sup>1)</sup>	1 x 10 <sup>-7</sup>		
Temperature drift (0°C to +50°C)	8 x 10 <sup>-8</sup>		
Total error (per year) <sup>1)</sup>	1.8 x 10 <sup>-7</sup>		
<b>Internal reference frequency (nominal); option R&amp;S FS-B4</b>			
Aging per day <sup>1)</sup>	2 x 10 <sup>-10</sup>		
Aging per year <sup>1)</sup>	3 x 10 <sup>-8</sup>		
Temperature drift (0°C to +50°C)	1 x 10 <sup>-9</sup>		
Total error (per year) <sup>1)</sup>	5 x 10 <sup>-8</sup>		
External reference frequency	1 MHz to 20 MHz, 1 Hz steps		
Frequency display	with marker or frequency counter		
Marker resolution	0.1 Hz to 10 kHz (dependent on span)		
Max. deviation (sweep time >3 x auto sweep time)	$\pm(\text{marker frequency} \times \text{reference error} + 0.5\% \times \text{span} + 10\% \times \text{resolution bandwidth} + \frac{1}{2} \text{ (last digit)})$		
Frequency counter resolution	0.1 Hz to 10 kHz (selectable)		
Count accuracy (S/N >25 dB)	$\pm(\text{frequency} \times \text{reference error} + \frac{1}{2} \text{ (last digit)})$		
<b>Frequency span</b>	0 Hz, 10 Hz to 3.6 GHz	0 Hz, 10 Hz to 8 GHz	0 Hz, 10 Hz to 26.5 GHz
Span resolution/ max. span deviation	0.1 Hz/1 %		
<b>Spectral purity (dBc(1Hz)), SSB phase noise, f = 640 MHz</b>			
Residual FM	<1 Hz nominal		
Carrier offset			
10 Hz	typ. -73 dBc(1Hz), with option R&S FS-B4 typ. -86 dBc		
100 Hz	<-90 dBc(1Hz), typ. -100 dBc(1Hz)		
1 kHz	<-112 dBc(1Hz), typ. -116 dBc(1Hz)		
10 kHz	<-120 dBc(1Hz), typ. -123 dBc(1Hz)		
100 kHz	<-120 dBc(1Hz), typ. -123 dBc(1Hz)		
1 MHz	<-138 dBc(1Hz), typ. -144 dBc(1Hz)		
10 MHz	<-155 dBc(1Hz) nominal, typ. -160 dBc(1Hz)		
<b>Sweep</b>			
Span 0 Hz	1 $\mu$ s to 16000 s in steps of 5%		
Span $\geq$ 10 Hz	2.5 ms to 16000 s in steps $\leq$ 10%		
Max. deviation of sweep time	3%		
Sampling rate	31.25 ns (32 MHz A/D converter)		
Measurement in time domain	with marker and display lines (resolution 31.25 ns)		

	R&S FSU3	R&S FSU8	R&S FSU26
<b>Resolution bandwidths</b>			
<b>Analog filters</b>			
3 dB bandwidths	10 Hz to 20 MHz in 1/2/3/5 sequence, 50 MHz		
<b>Bandwidth error</b>			
10 Hz to 100 kHz	<3%		
200 kHz to 5 MHz	<10%		
10 MHz, 20 MHz	-30% to +10%		
50 MHz	-30% to +10%	-30% to +10% for f<3.6 GHz -30% to +100% for f>3.6 GHz	
<b>Shape factor -60 dB: -3 dB</b>			
$\leq$ 100 kHz	<6		
200 kHz to 2 MHz	<12		
3 MHz to 10 MHz	<7		
20 MHz, 50 MHz	<6 nominal		
Video bandwidths	1 Hz to 10 MHz in 1/2/3/5 sequence		
<b>FFT filters</b>			
3 dB bandwidths	1 Hz to 30 kHz in 1/2/3/5 sequence		
Bandwidth error	<5% nominal		
Shape factor	<3 nominal		
-60 dB : -3 dB			
<b>EMI filters</b>			
6 dB bandwidths	200 Hz, 9 kHz, 120 kHz		
Bandwidth error	<3% nominal		
Shape factor	<6 nominal		
-60 dB : -3 dB			
<b>Channel filters</b>			
Bandwidths	100, 200, 300, 500 Hz, 1, 1.5, 2, 2.4, 2.7, 3, 3.4, 4, 4.5, 5, 6, 8.5, 9, 10, 12.5, 14, 15, 16, 18 (RRC), 20, 21, 24.3 (RRC), 25, 30, 50, 100, 150, 192, 200, 300, 500 kHz, 1, 1.228, 1.5, 2, 3, 5 MHz		
Shape factor	<2 nominal		
-60 dB : -3 dB			
Bandwidth error	2% nominal		
<b>Level</b>			
Display range	displayed average noise level to 30 dBm		
<b>Maximum input level</b>			
DC voltage (AC coupling)	50 V		
DC voltage (DC coupling)	0 V		
<b>RF attenuation 0 dB</b>			
CW RF power	20 dBm (= 0.1 W)		
Pulse spectral density	97 dB $\mu$ V/1 MHz		
<b>RF attenuation <math>\geq</math>10 dB</b>			
CW RF power	30 dBm (= 1 W)		
Max. pulse voltage	150 V		
Max. pulse energy (10 $\mu$ s)	1 mWs		
<b>1 dB compression of input mixer (0 dB RF attenuation)</b>	+13 dBm nominal	+13 dBm nominal up to 3.6 GHz	+7 dBm nominal from 3.6 GHz to 26 GHz
	-	+10 dBm nominal from 3.6 GHz to 8 GHz	+7 dBm nominal from 3.6 GHz to 26 GHz
<b>Intermodulation</b>			
<b>Third-order intermodulation</b>			
Third-order intercept (TOI), level 2 x -10 dBm, $\Delta f > 5 \times \text{RBW}$ or 10 kHz, whichever is the greater value	>17 dBm, typ. 20 dBm for f = 10 MHz to 300 MHz >+20 dBm, typ. +25 dBm for f >300 MHz	>17 dBm, typ. 20 dBm for f = 10 MHz to 300 MHz >+20 dBm, typ. +25 dBm for f = 300 MHz to 3.6 GHz >+18 dBm, typ. +23 dBm for f = 3.6 GHz to 8 GHz	>17 dBm, typ. 20 dBm for f = 10 MHz to 300 MHz >+22 dBm, typ. +27 dBm for f = 300 MHz to 3.6 GHz >+12 dBm, typ. +15 dBm for f = 3.6 GHz to 26.5 GHz

1) After 30 days of continuous operation.

	R&S FSU3	R&S FSU8	R&S FSU26
<b>Second harmonic intercept point (SHI)</b>			
$f_{in} \leq 100$ MHz	>35 dBm		
100 MHz < $f_{in}$ <= 400 MHz	>45 dBm, typ. 55 dBm		
400 MHz < $f_{in}$ <= 500 Hz	>52 dBm, typ. 60 dBm		
500 MHz < $f_{in}$ <= 1 GHz	>45 dBm, typ. 55 dBm		
1 GHz < $f_{in}$ <= 1.8 GHz	>35 dBm		
$f_{in} > 1.8$ GHz	–	>80 dBm nominal	
<b>Displayed average noise level</b>			
(0 dB RF attenuation, RBW 10 Hz, VBW 30 Hz, 20 averages, trace average, span 0 Hz, termination 50 $\Omega$ )			
Frequency			
20 Hz	<–80 dBm		
100 Hz	<–100 dBm		
1 kHz	<–110 dBm		
10 kHz	<–120 dBm		
100 kHz	<–120 dBm		
1 MHz	<–130 dBm		
10 MHz to 2 GHz	<–145 dBm, typ. –148 dBm	<–142 dBm, typ. –146 dBm	
2 GHz to 3.6 GHz	<–143 dBm, typ. –147 dBm	<–143 dBm, typ. –145 dBm	<–140 dBm, typ. –143 dBm
3.6 GHz to 7 GHz	<–142 dBm, typ. –146 dBm	<–142 dBm, typ. –144 dBm	–
7 GHz to 8 GHz	–	<–140 dBm	–
3.6 GHz to 8 GHz	–	–	<–142 dBm, typ. –146 dBm
8 GHz to 13 GHz	–	–	<–140 dBm, typ. –143 dBm
13 GHz to 18 GHz	–	–	<–138 dBm, typ. –141 dBm
18 GHz to 22 GHz	–	–	<–137 dBm, typ. –140 dBm
22 GHz to 26.5 GHz	–	–	<–135 dBm, typ. –138 dBm
<b>Maximum dynamic range</b>			
1 dB compression to DANL (1 Hz)	170 dB		
<b>Immunity to interference</b>			
<b>Image frequency</b>			
$f \leq 3.6$ GHz	>90 dB, typ. >110 dB		
$f > 3.6$ GHz	–	>70 dB, typ. 100 dB	
<b>Intermediate frequency</b>			
$f \leq 3.6$ GHz	>90 dB, typ. >110 dB		
3.6 GHz $\leq f \leq 4.2$ GHz	–	typ. 70 dB	
$f > 4.2$ GHz	>70 dB, typ. >90 dB		
<b>Spurious responses (f &gt; 1 MHz, without input signal, 0 dB attenuation)</b>			
<–103 dBm			
<b>Other spurious (<math>\Delta f &gt; 100</math> kHz)</b>			
$f_{in} < 2.3$ GHz	<–80 dBc (mixer level $\leq -10$ dBm)		
2.3 GHz $\leq f_{in} < 4$ GHz	<–70 dBc (mixer level $\leq -35$ dBm)		
4 GHz $\leq f_{in} < 26.5$ GHz	<–80 dBc (mixer level $\leq -10$ dBm)		
<b>Level display (spectrum mode)</b>			
Screen	625 x 500 pixels (one diagram), max. 2 diagrams with independent settings		
Logarithmic level axis	1 dB, 10 dB to 200 dB in steps of 10 dB		
Linear level axis	10% of reference level per level division, 10 divisions or logarithmic scaling		
Traces	max. 6, with two diagrams on screen max. 3 per diagram		
Trace detector	Max Peak, Min Peak, Auto Peak (normal), Sample, RMS, Average, Quasi Peak		
Trace functions	Clear/Write, Max Hold, Min Hold, Average		
Number of measurement points	625, settable between 155 and 100001 in steps of about the factor 2		

	R&S FSU3	R&S FSU8	R&S FSU26
<b>Setting range of reference level</b>			
Logarithmic level display	–130 dBm to (+5 dBm + RF attenuation), max. 30 dBm, in steps of 0.1 dB		
Linear level display	7.0 nV to 7.07 V in steps of 1%		
Units of level axis	dBm, dB $\mu$ V, dBmV, dB $\mu$ A, dBpW (log level display) / $\mu$ V, mV, $\mu$ A, mA, pW, nW (linear level display)		
<b>Level measurement error</b>			
Reference error at 128 MHz, RBW $\leq 100$ kHz, reference level –30 dBm, RF attenuation 10 dB	<0.2 ( $\sigma = 0.07$ ) dB		
<b>Frequency response (DC coupling, RF attenuation <math>\geq 10</math> dB)</b>			
10 MHz to 3.6 GHz	<0.3 dB ( $\sigma = 0.1$ dB) <sup>1)</sup>		
3.6 GHz to 8 GHz	–	<1.5 dB ( $\sigma = 0.5$ dB) <sup>2)</sup>	
8 GHz to 22 GHz	–	–	<2 dB ( $\sigma = 0.7$ dB) <sup>2)</sup>
22 GHz to 26.5 GHz	–	–	<2.5 dB ( $\sigma = 0.8$ dB) <sup>2)</sup>
Attenuator ( $\geq 5$ dB)	<0.2 dB ( $\sigma = 0.07$ dB)		
Reference level switching	<0.15 dB ( $\sigma = 0.05$ dB)		
<b>Display nonlinearity (20 °C to 30 °C, mixer level <math>\leq -10</math> dBm)</b>			
<b>Logarithmic level display</b>			
RBW $\leq 100$ kHz, S/N $> 20$ dB			
0 dB to –70 dB	<0.1 dB ( $\sigma = 0.03$ dB)		
–70 dB to –90 dB	<0.3 dB ( $\sigma = 0.1$ dB)		
10 MHz $\geq$ RBW $\geq 200$ kHz, S/N $> 16$ dB			
0 dB to –50 dB	<0.2 dB ( $\sigma = 0.07$ dB)		
–50 dB to –70 dB	<0.5 dB ( $\sigma = 0.17$ dB)		
RBW $\geq 10$ MHz			
0 dB to –50 dB	<0.5 dB ( $\sigma = 0.17$ dB)		
<b>Linear level display</b>			
5 % of reference level			
<b>Bandwidth switching error (ref. to RBW = 10 kHz)</b>			
10 Hz to 100 kHz	–		
200 kHz to 10 MHz	<0.2 dB ( $\sigma = 0.07$ dB)		
5 MHz to 50 MHz	<0.5 dB ( $\sigma = 0.15$ dB)		
FFT 1 Hz to 3 kHz	<0.2 dB ( $\sigma = 0.07$ dB)		
<b>Total measurement error</b>			
(0 dB to –70 dB, S/N $> 20$ dB, span/RBW $< 100$ , 95 % confidence level) (20 °C to 30 °C, mixer level $\leq -10$ dBm)			
<3.6 GHz	0.3 dB for RBW $\leq 100$ kHz 0.5 dB for RBW $> 100$ kHz		
3.6 GHz to 8 GHz	–	<2.0 dB	
8 GHz to 18 GHz	–	–	<2.5 dB
18 GHz to 26.5 GHz	–	–	<3.0 dB
<b>Audio demodulation</b>			
<b>Modulation modes</b>			
AM and FM			
Audio output	loudspeaker and headphones output		
Marker hold time in spectrum mode	100 ms to 60 s		
<b>Trigger functions</b>			
<b>Trigger</b>			
Span $\geq 10$ Hz			
Trigger source	free run, video, external, IF level (mixer level $> -20$ dBm)		
Trigger offset	125 ns to 100 s, resolution 125 ns min. (or 1 % of offset)		
Span = 0 Hz			
Trigger source	free run, video, external, IF level (mixer level $> -20$ dBm)		
Trigger offset	$\pm 125$ ns to 100 s, resolution 125 ns min., dependent on sweep time		
Max. deviation of trigger offset	$\pm (125$ ns + (0.1 % x delay time))		
<b>Gated sweep</b>			
Trigger source	external, IF level, video		
Gate delay	1 $\mu$ s to 100 s		
Gate length	125 ns to 100 s, resolution min. 125 ns or 1 % of gate length		
Max. deviation of gate length	$\pm (125$ ns + (0.05 % x gate length))		

	R&S FSU3	R&S FSU8	R&S FSU26
<b>Inputs and outputs (front panel)</b>			
<b>RF input</b>	N female, 50 Ω		
VSWR; RF attenuation ≥10 dB, DC coupling			
f <3.6 GHz	<1.5		
f <8 GHz	–	<2.0	<1.8
f <18 GHz	–	–	<1.8
f <26.5 GHz	–	–	<2.0
RF attenuation <10 dB or AC coupling	typ. 1.5		
Setting range of attenuator	0 dB to 75 dB in 5 dB steps		
<b>Probe power supply</b>	+15 V DC, –12.6 V DC and ground, max. 150 mA nominal		
<b>Power supply for antennas</b>	5-pin connector		
Supply voltages	±10 V and ground, max. 100 mA nominal		
<b>Keyboard</b>			
Keyboard connector	PS/2 female for MF2 keyboard		
<b>AF output</b>			
AF output	3.5 mm mini jack		
Output impedance	10 Ω		
Open-circuit voltage	up to 1.5 V, adjustable		
<b>Inputs and outputs (rear panel)</b>			
IF 20.4 MHz	Z <sub>out</sub> = 50 Ω, BNC female		
<b>Bandwidth</b>			
RBW ≤ 100 kHz	1.5 x resolution bandwidth, min. 2.6 kHz		
10 MHz ≥ RBW ≥ 200 kHz	same as resolution bandwidth		
<b>Level</b>			
RBW ≤ 100 kHz, FFT	–20 dBm at reference level, mixer level >–70 dBm		
10 MHz ≥ RBW ≥ 200 kHz	0 dBm at reference level, mixer level >–50 dBm		
IF 404.4 MHz	Z <sub>out</sub> = 50 Ω, BNC female 404.4 MHz IF output active only if RBW >10 MHz		
<b>Bandwidth</b>			
RBW > 10 MHz	same as resolution bandwidth		
<b>Level</b>			
Mixer level ≤ 0 dBm	mixer level –10 dB typ., only active if RBW 20.50 MHz		
<b>Video output</b>	Z <sub>out</sub> = 50 Ω, BNC female		
Voltage (RBW ≥200 kHz)	0 V to 1 V, full scale (open-circuit voltage), logarithmic scaling		
<b>Reference frequency</b>			
<b>Output</b>	BNC female		
Output frequency	10 MHz		
Level	>0 dBm nominal		
<b>Input</b>	BNC female		
Input frequency range	1 MHz to 20 MHz in 1 Hz steps		
Required level	>0 dBm from 50 Ω		
<b>Sweep output</b>	BNC female, 0 V to 5 V, proportional to displayed frequency		
<b>Power supply connector for noise source</b>	BNC female, 0 V and 28 V, switchable, max. 100 mA		
<b>External trigger/gate input</b>	BNC female, >10 kΩ		
Trigger voltage	1.4 V		
<b>IEC/IEEE-bus remote control</b>	interface to IEC 625-2 (IEEE 488.2)		
Command set	SCPI 1997.0		
Connector	24-pin Amphenol female		
Interface functions	SH1, AH1, T6, L4, SR1, RL1, PP1, DC1, DT1, C0		
<b>Serial interface</b>	RS-232-C (COM), 9-pin SUB-D female		
<b>Printer interface</b>	parallel (Centronics-compatible)		
<b>Mouse connector</b>	PS/2 female		
<b>Connector for external monitor (VGA)</b>	15-pin SUB-D female		

- Valid for temperatures between +20°C and +30°C; <0.6 dB for temperatures between +5°C and +45°C.
- Valid for temperatures between +20°C and +30°C and span <1 GHz; add <0.5 dB for temperatures between +5°C and +45°C or span >1 GHz.

<b>General data</b>	
<b>Display</b>	21 cm TFT LCD colour display (8.4")
Resolution	800 x 600 pixels (SVGA resolution)
Pixel failure rate	<1 x 10 <sup>-5</sup>
<b>Mass memory</b>	1.44 Mbyte 3½" disk drive, hard disk
<b>Data storage</b>	>500 instrument settings and traces
<b>Operating temperature range</b>	
Rated temperature range	+5 °C to +40 °C
Limit temperature range	+0 °C to +50 °C
Storage temperature range	–40 °C to +70 °C
<b>Damp heat</b>	+40 °C at 95 % relative humidity (IEC 68–2–3)
<b>Mechanical resistance</b>	
Vibration, sinusoidal	5 Hz to 150 Hz, max. 2 g at 55 Hz; 0.5 g from 55 Hz to 150 Hz; meets IEC 68-2-6, IEC 68-2-3, IEC 1010-1, MIL-T-28800D, class 5
Vibration, random	10 Hz to 100 Hz, acceleration 1 g (rms)
Shock test	40 g shock spectrum, meets MIL-STD-810C and MIL-T-28800D, classes 3 and 5
<b>Recommended calibration interval</b>	2 years for operation with external reference, 1 year with internal reference
<b>RFI suppression</b>	meets EMC directive of EU (89/336/EEC) and German EMC law
<b>Power supply</b>	
AC supply	100 V AC to 240 V AC, 3.1 A to 1.3 A, 50 Hz to 400 Hz, class of protection I to VDE 411
Power consumption	typ. 130 VA      typ. 150 VA
Safety	meets EN 61010-1, UL 3111-1, CSA C22.2 No. 1010-1, IEC 1010-1
Test mark	VDE, GS, CSA, CSA-NRTL
<b>Dimensions (W x H x D)</b>	435 mm x 192 mm x 460 mm      435 mm x 192 mm x 460 mm
<b>Weight</b>	14.6 kg      15.4 kg

### Optional Extended Environmental Specification R&S FSU-B20

<b>Temperature range (without condensation)</b>	
Rated temperature range	0°C to +50°C
Limit temperature range	0°C to +55°C
<b>Mechanical resistance</b>	
Vibration, random	10 Hz to 300 Hz, acceleration 1.9 g (rms)

### Optional Electronic Attenuator R&S FSU-B25

<b>Frequency</b>	
Frequency range	
R&S FSU 3	10 MHz to 3.6 GHz
R&S FSU 8	10 MHz to 8 GHz
R&S FSU 26	10 MHz to 3.6 GHz
<b>Setting range</b>	
Electronic attenuator	0 dB to 30 dB, 5 dB steps
Preamplifier	20 dB, switchable
<b>Maximum level measurement error</b>	
Frequency response, with preamplifier or electronic attenuator	
10 MHz to 50 MHz	<1 dB
50 MHz to 3.6 GHz	<0.6 dB
3.6 GHz to 8 GHz	<2.0 dB
Reference error at 128 MHz, RBW ≤100 kHz, reference level –30 dBm, RF attenuation 10 dB	
Electronic attenuator	<0.3 dB
Preamplifier	<0.3 dB

### Displayed average noise level

RBW=1 kHz, VBW=3 kHz, zero span, sweep time 50 ms, 20 averages, mean marker, normalized to 10 Hz RBW

#### Preamplifier on

10 MHz to 2.0 GHz	<-152 dBm
2.0 GHz to 3.6 GHz	<-150 dBm
3.6 GHz to 8.0 GHz	<-147 dBm

With the R&S FSU-B25 built in, the average noise level values displayed by the basic units degrade by (R&S FSU-B25 off):

20 Hz to 3.6 GHz	1 dB
3.6 GHz to 8 GHz	2 dB

#### Preamplifier off, electronic attenuator 0 dB

20 Hz to 3.6 GHz	typ. 2.5 dB
3.6 GHz to 8 GHz	typ. 3.5 dB

### Intermodulation

Third-order intermodulation, third-order intercept (TOI), electronic attenuator on,  $\Delta f > 5 \times$  RBW or 10 kHz

10 MHz to 300 MHz	>17 dBm
300 MHz to 3.6 GHz	>20 dBm
3.6 GHz to 8 GHz	>18 dBm

## Ordering information

Order designation	Type	Order No.
Spectrum Analyzer 20 Hz to 3.6 GHz	R&S FSU3	1129.9003.03
Spectrum Analyzer 20 Hz to 8 GHz	R&S FSU8	1129.9003.08
Spectrum Analyzer 20 Hz to 26.5 GHz	R&S FSU26	1129.9003.26

### Accessories supplied

Power cable, operating manual, service manual; R&S FSU26: test port adapter with 3.5 mm female (1021.0512.00) and N female (1021.0535.00) connector

## Options

Order designation	Type	Order No.
<b>Options</b>		
Delete Manual	R&S FSU-B0	1144.9998.02
Highly Accurate Reference Frequency	R&S FSU-B4	1144.9000.02
External Generator Control	R&S FSP-B10	1129.7246.02
LAN Interface100BT	R&S FSU-B16	1144.9498.02
Removable Hard Disk	R&S FSU-B18 <sup>1) 2)</sup>	1145.0242.02
Second Hard Disk for FSU-B18	R&S FSU-B19 <sup>2)</sup>	1145.0394.02
Extended Environmental Specification	R&S FSU-B20 <sup>3)</sup>	1155.1606.04
Electronic Attenuator, 0 dB to 30 dB, with integrated 20 dB preamplifier	R&S FSU-B25	1144.9298.02
<b>Software</b>		
Noise Measurement Software	R&S FS-K3	1057.3028.02
Phase Noise Measurement Software	R&S FS-K4	1108.0088.02
GSM/EDGE Application Firmware	R&S FS-K5	1141.1496.02
FM Measurement Demodulator	R&S FS-K7	1141.1796.02
3GPP BTS/Node B FDD Application Firmware	R&S FS-K72	1154.7000.02
Service Kit	R&S FSU-Z1	1145.0042.02

1) Factory installation only.

2) Not with R&S FSU-B20.

3) Not with R&S FSU-B18/-B19.

## Recommended extras

Order designation	Type	Order No.
Microwave Measurement Cable with Adapter Set (for R&S FSU26 only)	R&S FSE-Z15	1046.2002.02
Headphones	-	0708.9010.00
US Keyboard with trackball	R&S PSP-Z2	1091.4100.02
PS/2 Mouse	R&S FSE-Z2	1084.7043.02
Colour Monitor, 17", 230 V	R&S PMC3	1082.6004.04
IEC/IEEE-Bus Cable, 1 m	R&S PCK	0292.2013.10
IEC/IEEE-Bus Cable, 2 m	R&S PCK	0292.2013.20
19" Rack Adapter	R&S ZZA-411	1096.3283.00
Adapter for mounting on telescopic rails (only with 19" Adapter ZZA-411)	R&S ZZA-T45	1109.3774.00

### Matching Pads, 75 $\Omega$

L Section	R&S RAM	0358.5414.02
Series Resistor, 25 $\Omega$	R&S RAZ	0358.5714.02
SWR Bridge, 5 MHz to 3000 MHz	R&S ZRB2	0373.9017.52
SWR Bridge, 40 kHz to 4 GHz	R&S ZRC	1039.9492.52

### High-Power Attenuators, 100 W,

3/6/10/20/30 dB	R&S RBU 100	1073.8820.XX (XX=03/06/10/20/ 30)
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### High-Power Attenuators, 50 W

3/6/10/20/30 dB	R&S RBU 50	1073.8895.XX (XX=03/06/10/20/ 30)
20 dB, 6 GHz	R&S RDL 50	1035.1700.52



# ROHDE & SCHWARZ