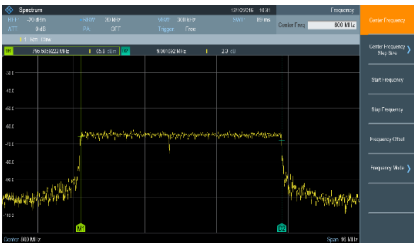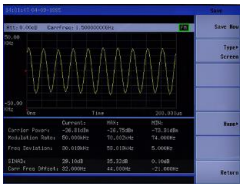# R&S®FPC1000

versus
Keysight N9320B

The R&S®FPC1000 is comparable to the Keysight N9320B series in major RF parameters but with a better UI at a much lower price tag

The R&S®FPC1000 offers similar RF performance: DANL, RBW range are better than on the Keysight N9320B. The key USPs of the R&S®FPC1000 are a much better display, Wi-Fi remote control capability and a unique, flexible frequency upgrade concept resulting in a much better user experience.

Its light weight and low power consumption make the R&S®FPC1000 ideal for rack integration, too.

R&S®FPC1000, 10.1" display with 1366 x 768 pixel resolution.

Keysight N9320B, 6.5" display with 640 x 480 pixel resolution.

Your benefit	Features
Cost reduction	The R&S®FPC1000 carries a much lower price tag at similar or better RF performance. It can be configured flexibly according to requirements – only buy what you need. It also consumes only 1/4 of the power in comparison
Better usability	Better user experience with a much larger, higher resolution display plus Wi-Fi-enabled remote control

Parameter	R&S®FPC1000	Keysight N9320B
Frequency range	5 kHz to 1/2/3 GHz	9 kHz to 3.0 GHz
DANL (norm. to 1 Hz)		
1 GHz, PA off	< −146 dBm (typ.)	< −143 dBm (typ.)
1 GHz, PA on	< −165 dBm (typ.)	< −161 dBm (typ.)
SSB phase noise at 500 MHz		
10 kHz offset	< −85 dBc/Hz (typ.)	< −88 dBc/Hz at 1 GHz
30 kHz offset	< −88 dBc/Hz	-
100 kHz offset	< −98 dBc/Hz	< −100 dBc/Hz at 1 GHz
1 MHz offset	< - 120 dBc/Hz	< −110 dBc/Hz at 1 GHz
RBW range	1 Hz to 3 MHz	10 Hz to 1 MHz
TOI at 1 GHz (att.: off)	+7 dBm (meas.)	+10 dBm
Display	10.1" (1366 x 768)	6.5" (640 x 480)
Wi-Fi connection	yes	no
Max. input power	+30 dBm (1 W)	+30 dBm (1 W)
Power consumption	16 W	65 W
Remote control interfaces	Ethernet, USB, Wi-Fi	Ethernet, USB, GPIB
Other interfaces	audio, trigger/ref in/out	audio, ref in/out, ext. trigger in, VGA
Weight	3 kg	8.4 kg

▷ For more information,
see www.rohde-schwarz.com/product/FPC1000

ROHDE&SCHWARZ

USPs versus Keysight N9320B

✓ Flexible upgrade concept

✓ 10.1" display

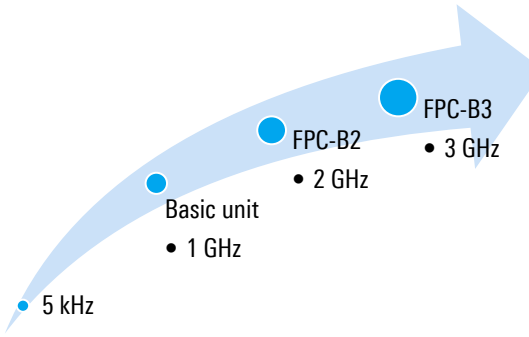✓ Easy to control

✓ 1 Hz resolution bandwidth

Class-leading spectrum analyzer engineered in Germany.

Frequency extension using keycodes

FPC-B3
• 3 GHz

FPC-B2
• 2 GHz

Basic unit
• 1 GHz

5 kHz

Buy what you need when you need it.

High resolution
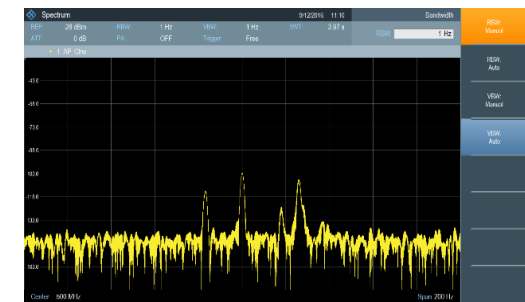
R&S®FPC1000: better signal detection due to 1 Hz resolution bandwidth setting.

Ease of virtual control*

Wireless remote control with R&S®MobileView apps (available on Android and iOS)

Wired/wireless remote control with R&S®InstrumentView PC software

Flexible remote control
on demand, anywhere, anytime.

Rohde & Schwarz Representative

* Wi-Fi feature not available in some countries due to local certification requirements.