

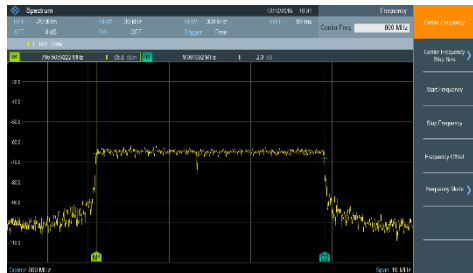
R&S®FPC1000

versus Keysight N9320B

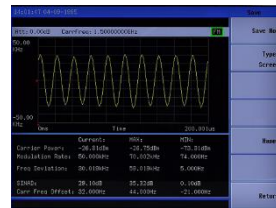
The R&S®FPC1000 is comparable to the Keysight N9320B series in major RF parameters but with a better UI at a much lower price tag

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.



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

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

► For more information, visit <https://www.rohde-schwarz.com/product/FPC>

USPs versus Keysight N9320B



Flexible upgrade concept



10.1" display



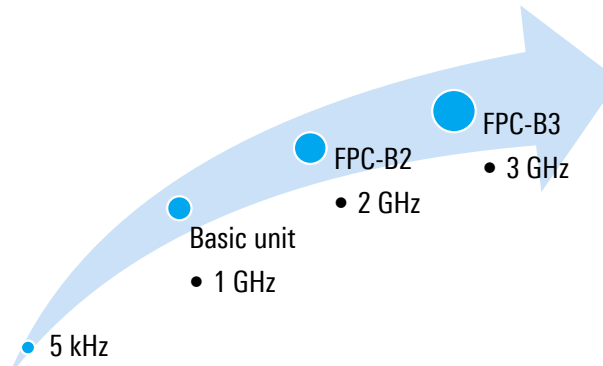
Easy to control



1 Hz resolution bandwidth

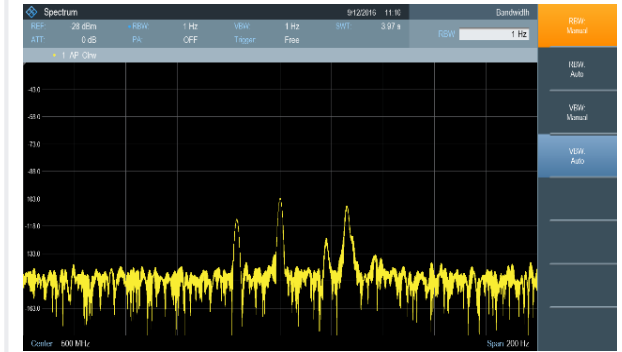
Class-leading spectrum analyzer engineered in Germany.

Frequency extension using keycodes



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 ¹⁾

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.

¹⁾ Wi-Fi feature not available in some countries due to local certification requirements.