



R&S® SMC100A Signal Generator

Smallest size and best price/performance ratio

The perfect choice for



RF teaching labs

Simple production applications

A&D development/
service/maintenance

Service and maintenance

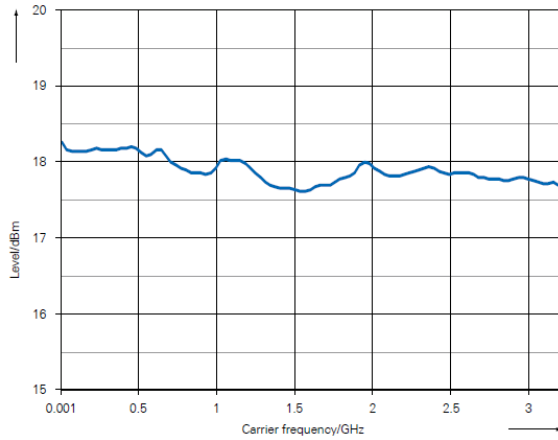
Key specifications	
Frequency range	9 kHz to 1.1/3.2 GHz
Max. output power	+13 dBm, +17 dBm (typ.) (f = 200 kHz to 3.2 GHz);
SSB phase noise (1 GHz; @ 10kHz; 1 Hz bw.)	< -105 dBc, -111 dBc (typ.)
Non-harmonics (1 GHz, level > -10 dBm; @ >10 kHz)	< -60 dBc, -72 dBc (typ.)
Modulation	AM/FM/φM/PM

A generator for every environment with the smallest size and best price/performance ratio

- ▶ Outstanding RF performance
- ▶ Graphical user interface
- ▶ 3-year calibration cycle
- ▶ USB, Ethernet and GPIB connectivity
- ▶ Small footprint, lightweight and power-efficient

Your benefit	Features
Graphical interface allows you to set up the signal the way you think about it	<ul style="list-style-type: none"> ▶ Block diagram user interface ▶ Graphic display of signals ▶ Click, configure and control with a mouse ▶ Mimics the functional blocks of a transmitter
More performance across the board without costing more	<ul style="list-style-type: none"> ▶ Best phase noise performance ▶ Fastest switching speed ▶ Outstanding output power ▶ Vastly superior modulation capabilities
Ideal for the lab, production or the field	<ul style="list-style-type: none"> ▶ Lab: better performance ▶ Production: higher speed, better connectivity ▶ Field: size, weight, power efficiency

Measured maximum available power



The high output power of typ. > +17 dBm enables measurements on DUTs such as mixers that require a high level for the local oscillator.

Minimized total cost of ownership



A minimum of modules in the R&S SMC100A means high reliability and easy servicing.

Base unit

Frequency Range

9 kHz to 1.1 GHz

Model

R&S SMC100A with SMC-B101

9 kHz to 3.2 GHz

R&S SMC100A with SMC-B103

Included: All models include power cable, quick start guide and three-year warranty

Popular options/accessories

Description

Reference oscillator OCXO

GPIO/IEEE488 interface

Item

R&S SMC-B1

R&S SMC-K4

Various connectivity



Integrate into current test setup without having to alter your USB, Ethernet or GPIB connectivity interface.

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