ROHDE&SCHWARZ
Make ideas real

R&S®SMC100A Signal Generator

Smallest size and best price/performance ratio



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

The perfect choice for

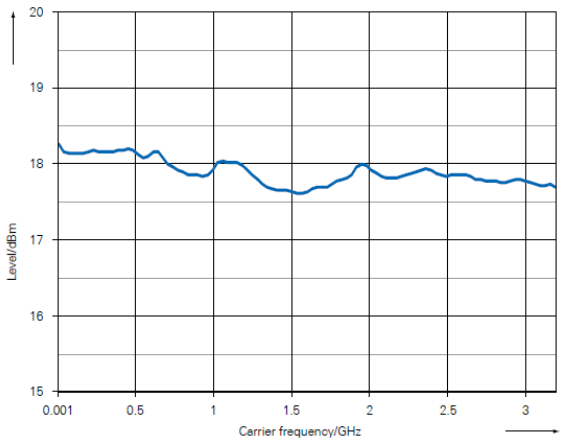
RF teaching labs	Simple production applications
A&D development/ service/maintenance	Service and maintenance

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

Your benefit	Features
Graphical interface allows you to set up the signal the way you think about it	► 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	► Best phase noise performance ► Fastest switching speed ► Outstanding output power ► Vastly superior modulation capabilities
Ideal for the lab, production or the field	► Lab: better performance ► Production: higher speed, better connectivity ► Field: size, weight, power efficiency

For more information:
www.rohde-schwarz.com/catalog/SMC100A

Measured maximum available power



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

Minimized total cost of ownership



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

Various connectivity



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

Base unit	
Frequency Range	**Model**
9 kHz to 1.1 GHz	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	**Item**
Reference oscillator OCXO	R&S®SMC-B1
GPIB/IEEE488 interface	R&S®SMC-K4

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