



# RSG 2000 REFERENCE SPECTRUM GENERATOR



The RSG 2000 is a reference spectrum generator covering the frequency range of 1 to 18 GHz. It can be used for checking the parameters of Open Area Test Sites (OATS), anechoic chambers or other alternative measuring environments. The RSG 2000 is also suitable for daily checks of the measuring equipment.

The comb generator uses a temperature-stabilized quartz-oscillator (TCXO) and delivers spectral lines with a 100 MHz spacing. It can be powered from either four rechargeable batteries NiMH or an external power supply. The condition of the batteries is monitored and with a LED indicated. The RSG 2000 will switch off automatically, if the battery voltage falls below a preset limit.

- Frequency range 1–18 GHz
- Comb generator 100 MHz spectrum
- High stability
- Changeable accumulator set

## Technical specifications

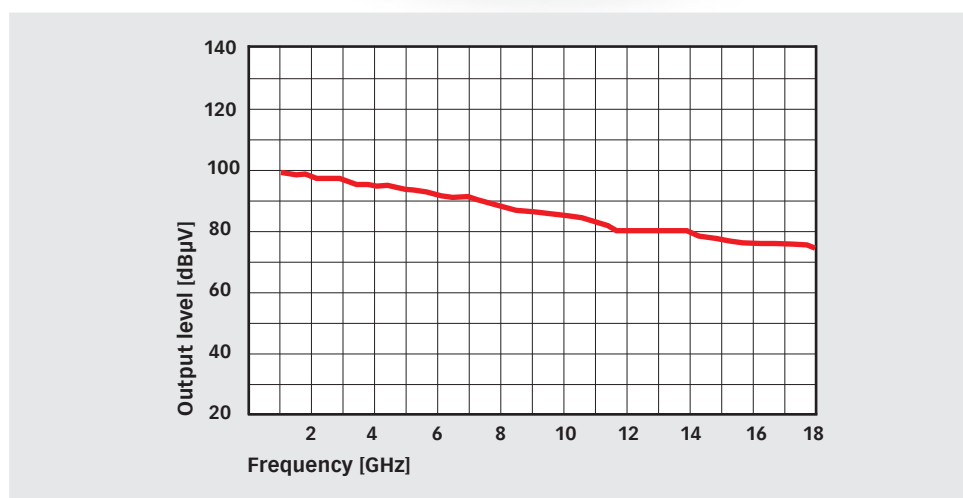
Frequency range:	1 to 18 GHz
Comb spacing:	100 MHz
Frequency stability (TCXO, 100 MHz):	< 1 ppm (-20° to +70°C)
Aging:	< 1 ppm/year
Frequency correction (internal):	< 5 ppm
Signal stability:	< 0.3 dB (20°C const.) < 0.5 dB (+5° to +40°C)
Output of generator:	> 68 dBμV at 18 GHz, 50 Ω
Temperature range for working:	+5° to +40°C
Battery power:	4 × 1.2 V NiMH, 3500 mAh, interchanged Condition indicated by LED Working time 4 h
Separate power unit:	100 to 240 VAC, 5 VDC, 2 A
Dimension:	105 mm × 90 mm × 130 mm

# RSG 2000 REFERENCE SPECTRUM GENERATOR



RSG 2000 with battery charger and power supply unit in suitcase

RSG 2000 – typical output level at 50 Ω



RSG 2000, front panel

## Delivery information

Part number	Description
246600	RSG 2000 Reference generator 1–18 GHz
97-246600	RSG 2000-TC Traceable calibration (ISO 17025) of RSG 2000, order only with the device
244500	VSQ 2000 Reference radiation source 1–18 GHz (RSG 2000 + BHA 9118 + tipod + RF cable)