



RSG 2000 REFERENCE SPECTRUM GENERATOR



The RSG 2000 is a reference spectrum generator covering the frequency range of 1 to 18 GHz. Combined with an antenna it can be used for checking the parameters of Open Area Test Sites (OATS), anechoic chambers or other measuring environments. The RSG 2000 offers a very stable RF source 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 to 18 GHz
- Comb generator 100 MHz spectrum
- High stability
- Changeable accumulator set

Technical specifications



RSG 2000 with battery charger and power supply unit in storage case

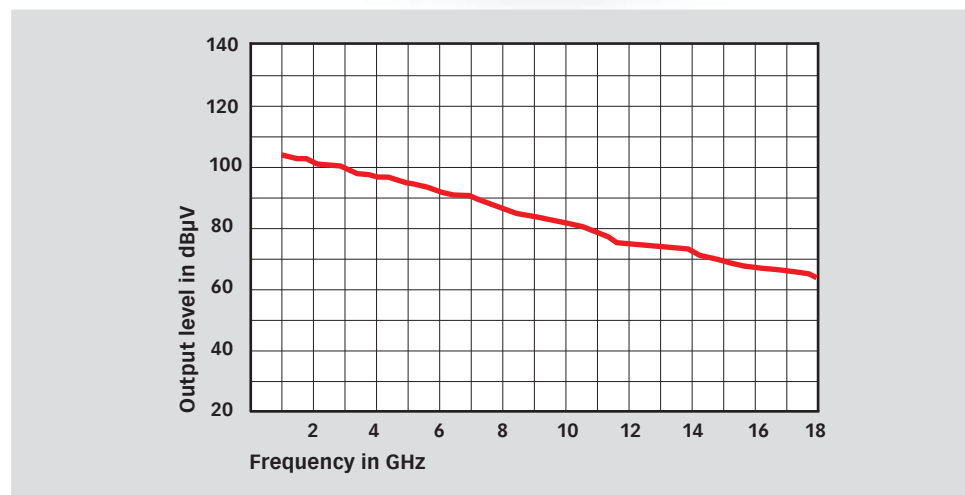
Frequency range:	1 to 18 GHz
Comb spacing:	100 MHz
Frequency stability (TCXO, 100 MHz):	< 1 ppm (-20° to +70°C)
Aging:	< 1 ppm/year
Frequency correction (internal):	< 5 ppm
Signal stability:	< 0.3 dB (20°C const.) < 0.5 dB (+5° to +40°C)
Output of generator:	> 65 dBμV at 18 GHz, 50 Ω
Temperature range 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

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RSG 2000, front panel

Typical output level at 50 Ω



Model No. and options

Part number	Description
246600	RSG 2000 Reference spectrum generator 1 to 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 to 18 GHz (RSG 2000 + BHA 9118 + tripod + RF cable)

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