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SG22000PRO R17 – 50MHZ TO 24GHZ LOW-NOISE MICROWAVE GENERATOR



Features for 2026!

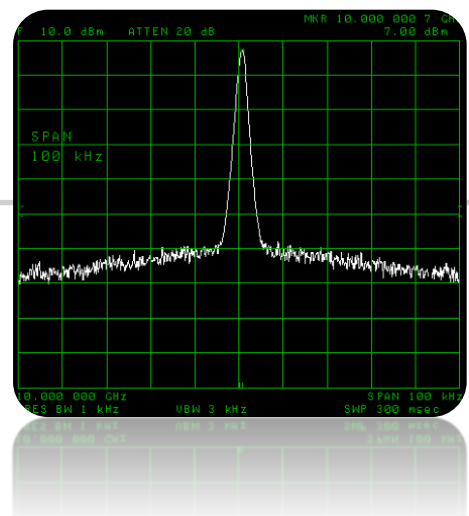
- Ultra-stable $\pm 10\text{PPB}$ oven-controlled reference
- Upgraded harmonic filtering (@12GHz)
- Optimized power output calibration
- Added sweep trigger options
- Dual USB-C inputs for power flexibility
- Output waveform phase control

- R17 Standard Features -

- Ethernet port for remote operation
- Single wideband SMA output port
- Front panel OLED display and buttons
- Full-band output level control to 22GHz+
- Ultra low phase-noise and spurs
- High output power $> +15\text{dBm}$
- Frequency sweeping with no host PC
- Simple PC control software included
- Reference ports: 10MHz in & out (MCX)
- Programmable trigger input (MCX)

Device Specifications:

- Calibrated frequency range: 100MHz to **22GHz**
- Calibrated power output: -25 to **+15dBm**
- Extended power range: -35 to +17dBm typ.
- Phase noise (6GHz): -98dBc @ 10KHz
- Phase noise (20GHz): -92dBm @ 10KHz
- Harmonics: **< -25dBc** typical
- Harmonic filtered band: 500MHz – 22GHz
- Frequency change settle time: 2-5mS
- Calibrated power step size: 0.50dB
- Fine power tune resolution: 0.05dB typ.
- Frequency step size: 2Hz
- Typical output accuracy: $\pm 1.0\text{dB}$ at 0dBm
- Low spurious content: **< -75dBc** typ.
- Dimensions: 4.15" x 1.15" x 5.15"



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Contact us for more information.

Visit www.ds instruments.com for control software downloads!
(Updated March 2026)

