



**DS INSTRUMENTS**

WWW.DSINSTRUMENTS.COM



## SG30000PRO REV7 – NEXT GEN 30GHz LOW-NOISE WIDE-BAND MICROWAVE GENERATOR



### 2021 REV 7 Updated Features!

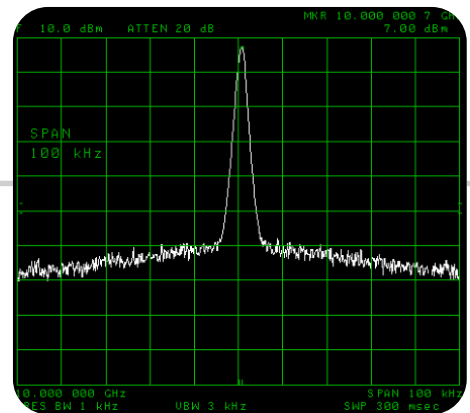
- Ultra-stable  $\pm 10$ PPB OCXO reference
- Dual USB-C inputs for power flexibility
- More Internal harmonic filtering
- Better thermal management
- Optimized power output calibration
- More sweep trigger options
- Lower spurious content

### - Standard Features -

- Ethernet port for remote operation
- Ultra-wide output frequency range
- **Single RF output port** (2.92mm)
- Front panel OLED display and buttons
- Full-band output level control to 30GHz
- Ultra low phase-noise and spurs
- High output power > +15dBm
- Frequency sweeping with no PC
- Internal and external reference ports
- Simple PC control software included

### REV 7 Device Specifications:

- Frequency range: 50MHz to **30GHz**
- Calibrated output (0-22GHz): -45 to **+15dBm**
- Calibrated output (22-30GHz): -20 to **+15dBm**
- Uncalibrated output: -50 to +17dBm typical
- Phase noise (6GHz): -95dBc @ 10KHz
- Phase noise (22GHz): -90dBm @ 10KHz
- Harmonics: < -25dBc typical
- Internal harmonic filtering (500MHz – 30GHz)
- Attenuator step size (digital): 0.50dB
- Variable attenuator resolution: 0.05dB typ.
- Frequency step size: 2Hz
- Reference input: 10MHz & 100MHz MCX
- Internal reference: 10MHz ( $\pm 10$  PPB)
- Precision 2.92mm (40GHz rated) output port
- Compact Dimensions: 4.15" x 1.15" x 5.15"



MADE IN



U. S. A.

Contact us for more information!

ENGINEERED IN



NEVADA