



The Moku:Pro Spectrum Analyzer allows you to observe input signals in the frequency domain between DC and 300 MHz with an ultra-low noise floor. View four channels simultaneously with a resolution bandwidth as low as 2.2 Hz and a minimum span of 100 Hz. The Spectrum Analyzer also features four 500 MHz sine wave generators.



<b>Frequency Range</b> DC to 300 MHz	<b>Frequency Span</b> 100 Hz to 300 MHz	<b>Minimum RBW</b> 2.2 Hz	<b>Input Noise</b> 30 nV $\sqrt{\text{Hz}}$ @ 100Hz	<b>Signal Generator</b> 4 channels	<b>Output Frequency</b> Up to 500 MHz
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## Features

- Display and record power spectra or power spectral densities in the frequency domain from DC to 300 MHz
- Generate four sine waves up to 500 MHz using the Moku:Pro built-in analog outputs
- Quickly measure key metrics by dragging measurement cursors onto features of interest using the multi-touch interface
- Live measurement functions: peak level, peak frequency, noise level, peak SNR, and occupied bandwidth

## Specifications

- Frequency range: DC to 300 MHz
- Frequency span: 100 Hz to 300 MHz
- Resolution bandwidth (RBW): span dependent, minimum RBW is 2.2 Hz
- Number of input channels: 4
- Input range: 400 mVpp, 4 Vpp, or 40 Vpp
- Input impedance: 50  $\Omega$  / 1 M $\Omega$
- Number of output channels: 4
- Output range: up to 500 MHz (2 Vpp) up to 100 MHz (10 Vpp)
- Video filter bandwidth: 2.3 Hz to 4.6 MHz

## Applications

- Frequency-domain analysis
- System response characterization
- Noise measurement
- RF system design
- Spurious signal identification