



4 Channel Spectrum Analyzer

Moku:Pro's 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 sinewave generators.



Frequency Range
DC to 300 MHz

Frequency Span
100 Hz to 300 MHz

Minimum RBW
2.2 Hz

Input Noise
30 nV $\sqrt{\text{Hz}}$ @ 100Hz

Signal Generator
4 channels

Output Frequency
Up to 500 MHz

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 Moku:Pro's 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 Ω / 1 M Ω
- 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