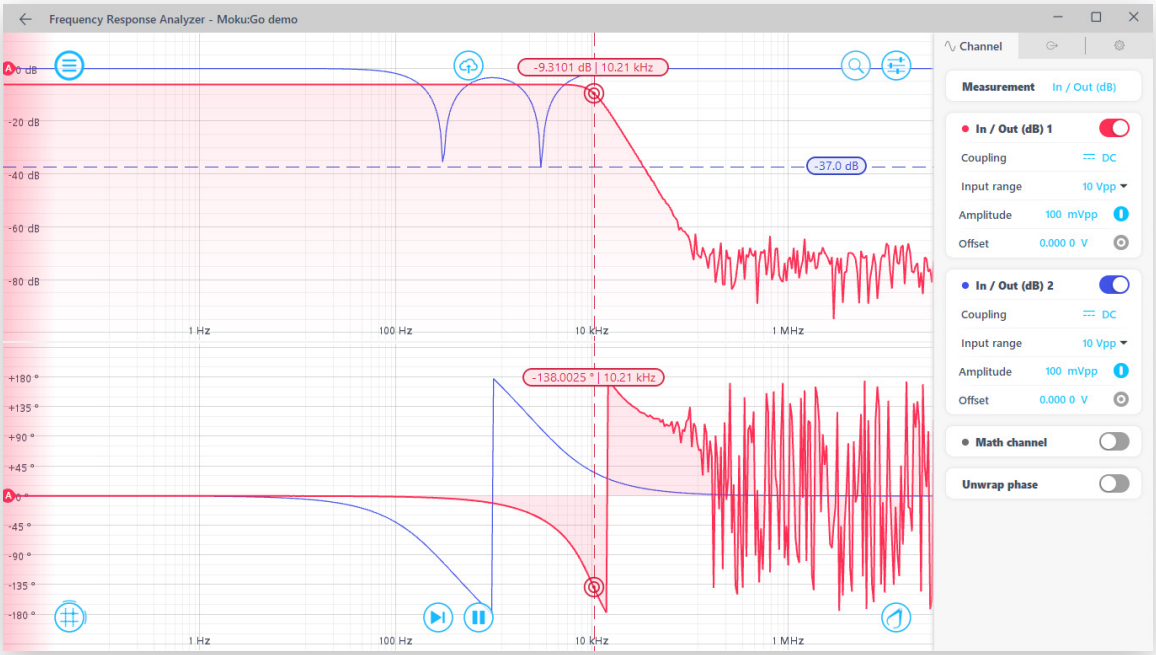
Moku:Go Instrument Datasheet

20 MHz Frequency Response Analyzer

Moku:Go's Frequency Response Analyzer enables you to measure the frequency response of a system in both magnitude and phase using a swept sine output from 10 mHz to 20 MHz. Select from between 32 and 512 points per sweep and configure settling and averaging times to balance total sweep duration and signal-to-noise ratio.



Frequency Range	Input Impedance	Averaging time	Sweep	Output Voltage Range	Harmonics Detection
Up to 20 MHz	**1 MΩ**	**1 µs to 10 s**	**Linear/Logarithmic**	**10 Vpp**	**Up to 15th**

Features

- Linear or logarithmic swept sine output.
- Math channel to add, subtract, multiply, or divide response functions as they are acquired.
- Use cursors and markers to measure exact values on the plots.
- Measurement averaging and settling times are highly configurable.
- Easily save data and upload to the your computer.
- Probe two systems simultaneously, or one system at two points.
- Demodulate up to 15th harmonic.

Specifications

- Frequency range: 10 mHz to 20 MHz
- Averaging time: 1 µs to 10 s
- Settling time: 1 µs to 10 s
- Sweep points: 32, 64, 128, 256, 512
- Output Voltage Range: 10 Vpp
- Input Impedance: 1 MΩ
- Input voltage range: 10 Vpp or 50 Vpp
- Noise-floor: up to -80 dB

Applications

- Impedance measurement
- Capacitance/inductance measurement
- Stability analysis
- Power supply analysis
- EMI filter characterization