

Frequency Response Analysis (Bode Plots)

Using Keysight InfiniiVision X-Series Oscilloscopes

With many of today's electronic designs, performing frequency response analysis is often necessary to ensure they meet performance requirements. This domain of signal characterization allows you to observe how the outputs of your circuit designs respond across a broad spectrum of different frequency inputs. Failure to perform such analysis may result in faulty designs and products. Frequency response analysis (FRA) is critical in devices such as passive & active filters, amplifiers, and negative feedback networks of switch mode power supplies (closed-loop response).

In this application note, you will learn about what FRA is and see three different measurement examples illustrating how to use the application.

