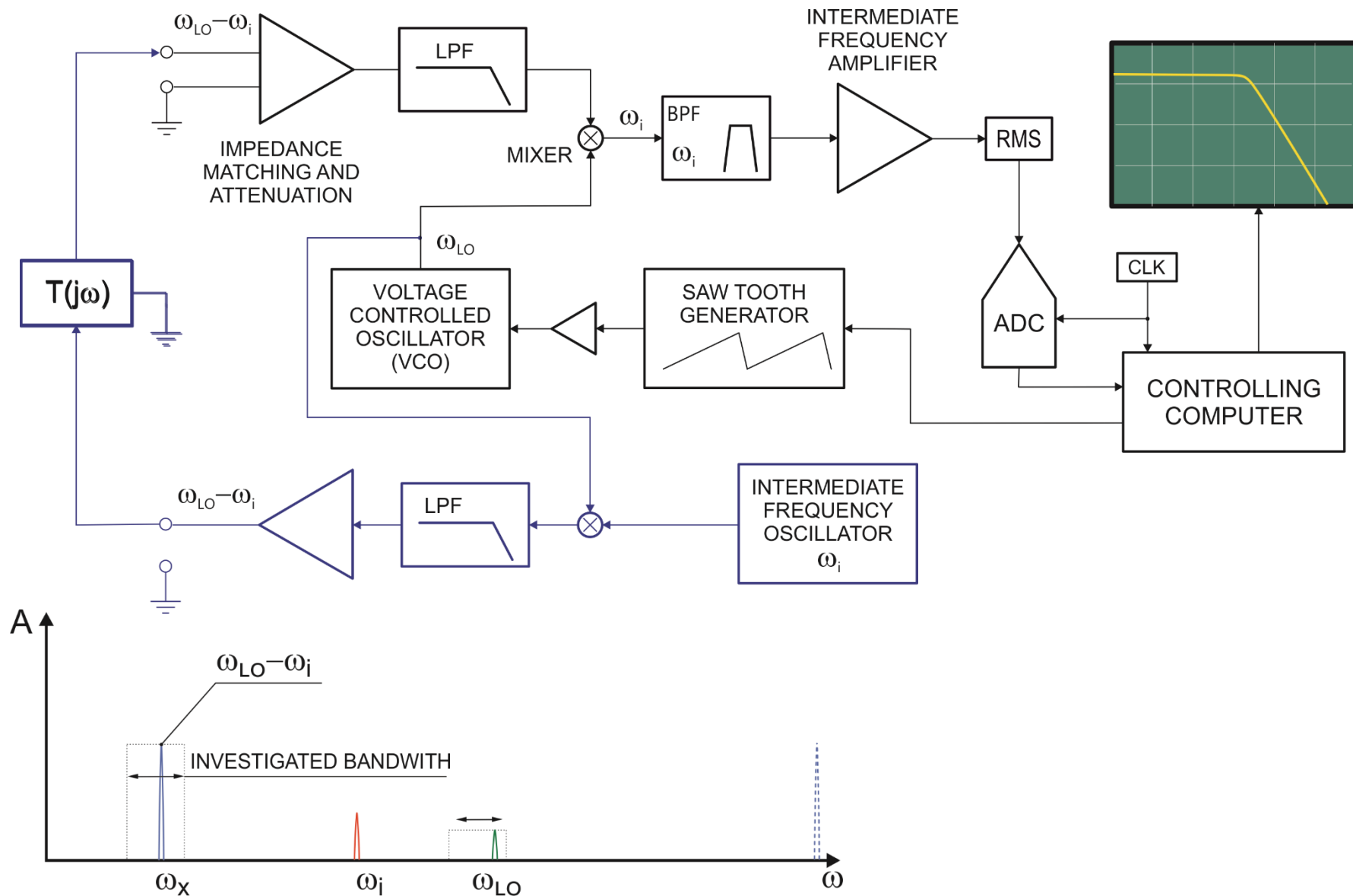
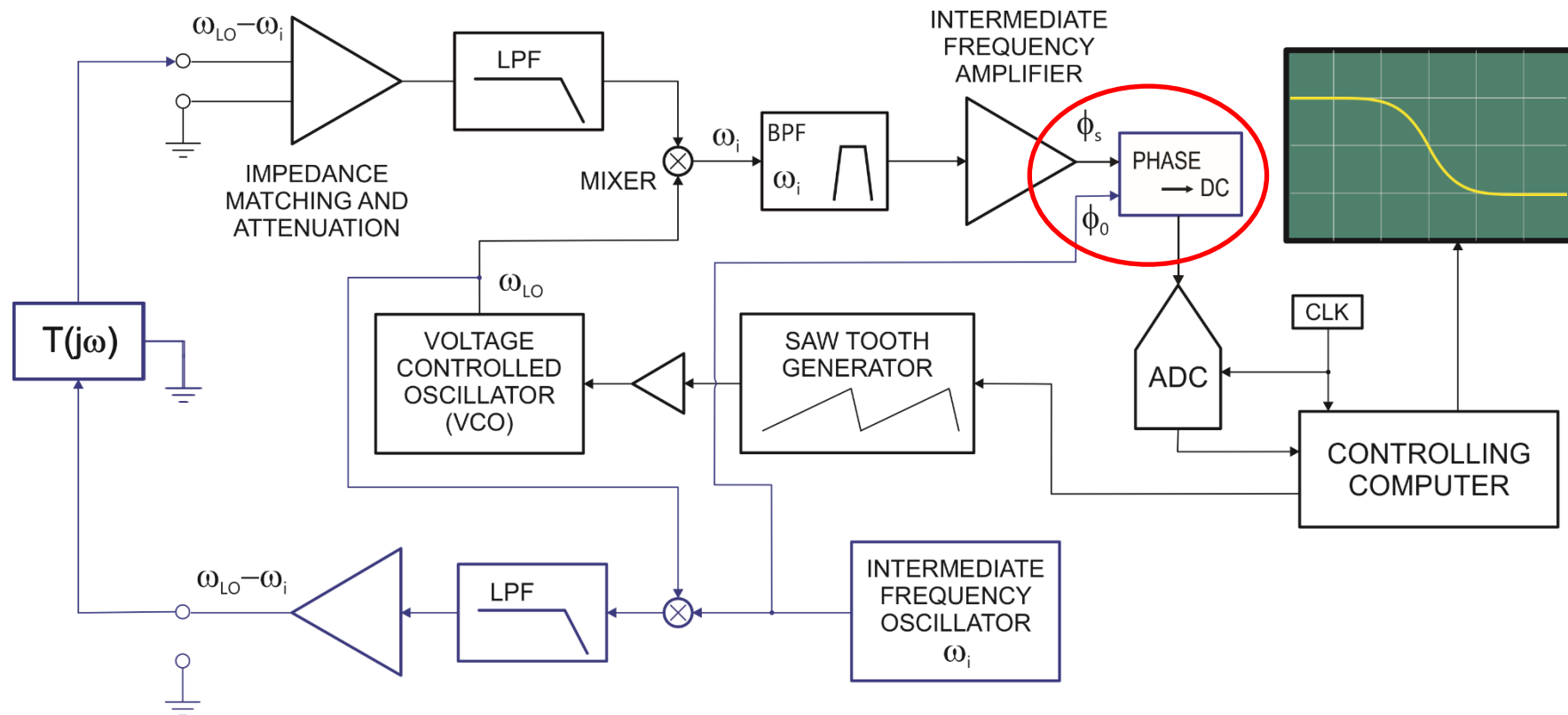


# Frequency response analysis: amplitude



# Frequency response analysis: phase



$$\phi_s = \phi_0 - \phi_{LO} + \phi_{OA} + \arg(T(j\omega)) + \phi_{IA} + \phi_{LO} + \phi_I$$

$$\phi_s - \phi_0 = \arg(T(j\omega)) + \phi_{OA} + \phi_{IA} + \phi_I$$