

# EE2073 week 7 Lab Report

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Lab: EJ26

## Objective

We are building a Power Amplifier subsystem to study its Bode frequency response

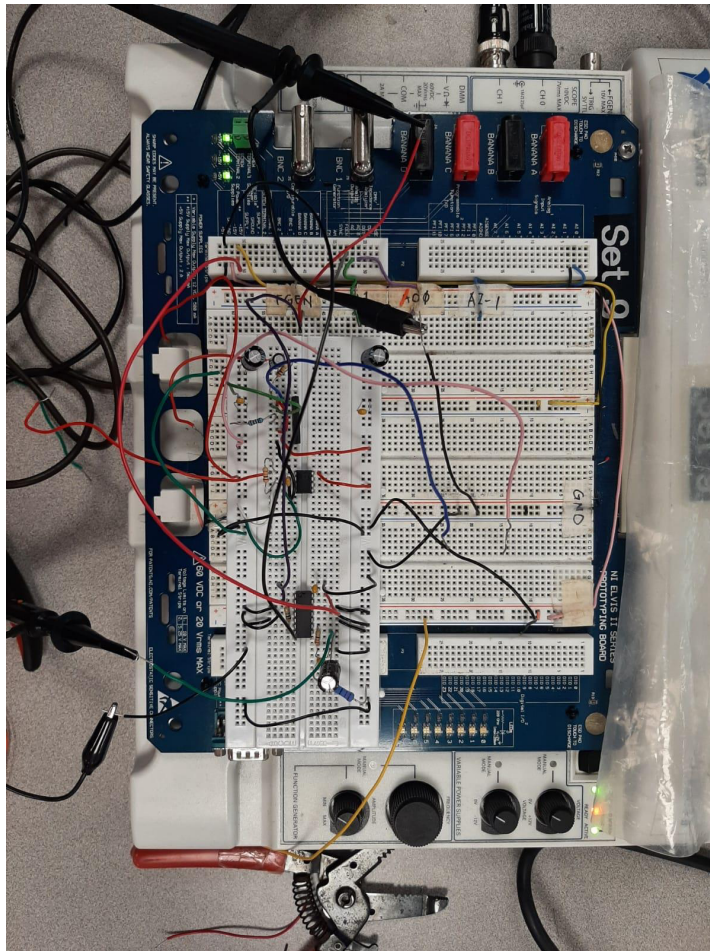


Fig 1: Top view of circuit connection

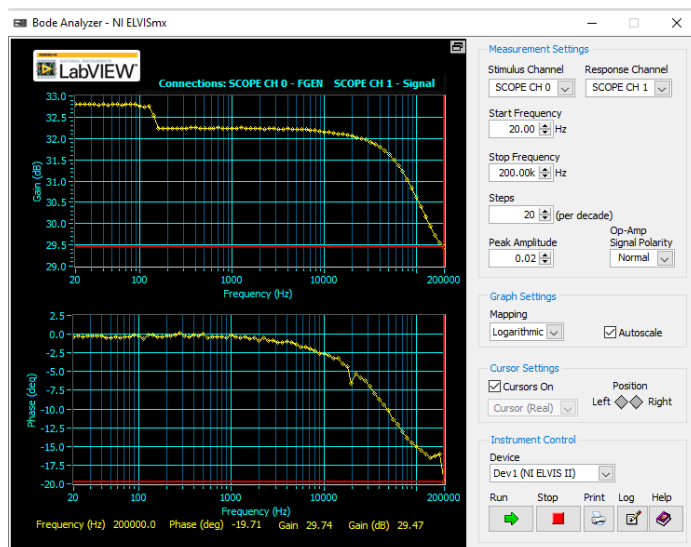


Fig 2  $V_p = 0.02V$



Fig 3. 0.01V

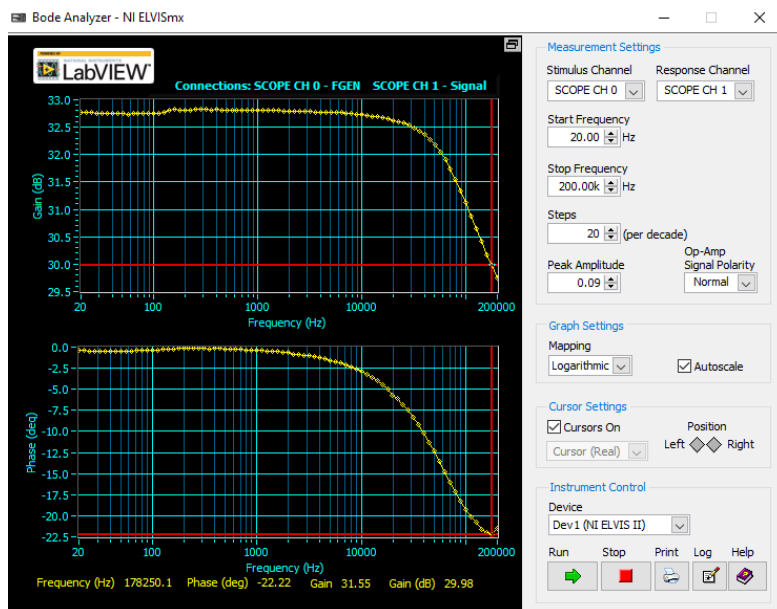


Fig 4. 0.09V



Fig 5. 0.02V

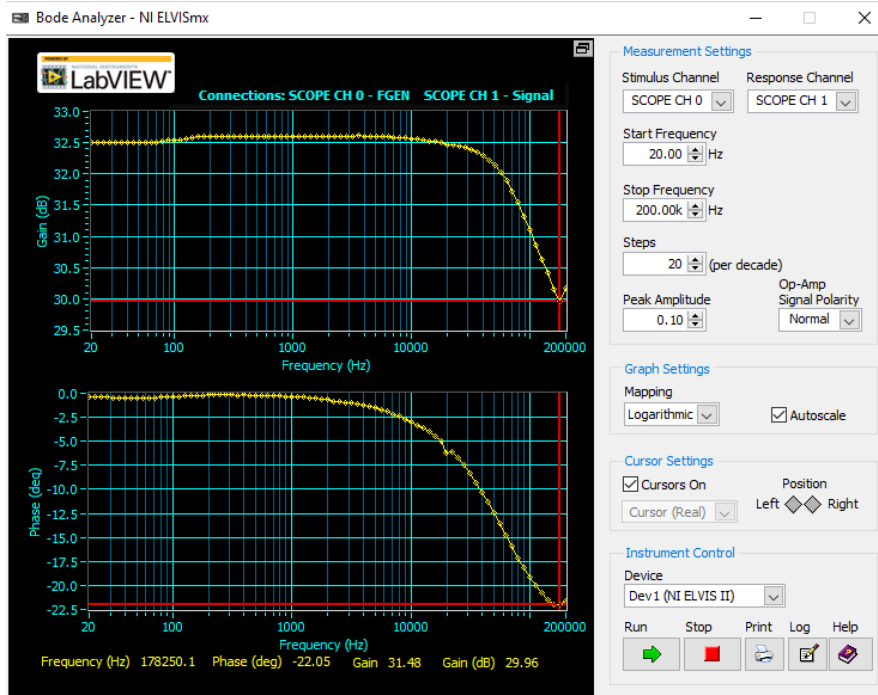


Fig 6. 0.10 V

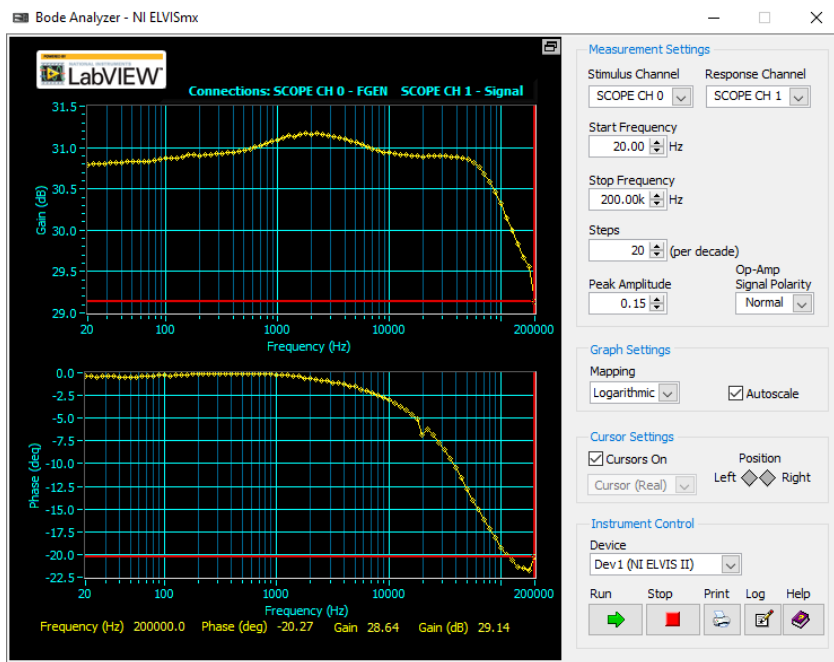


Fig 7. 0.15v

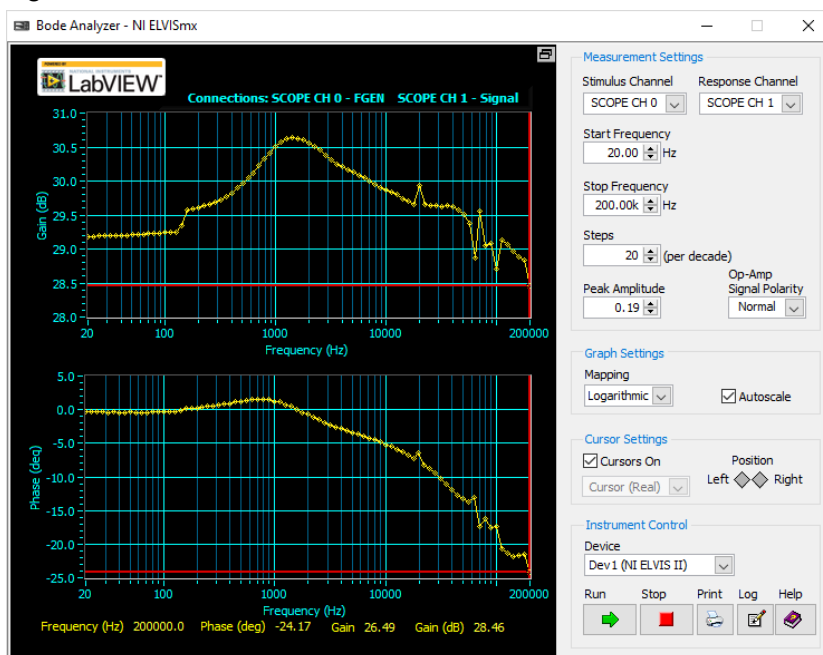


Fig 8. 0.19v

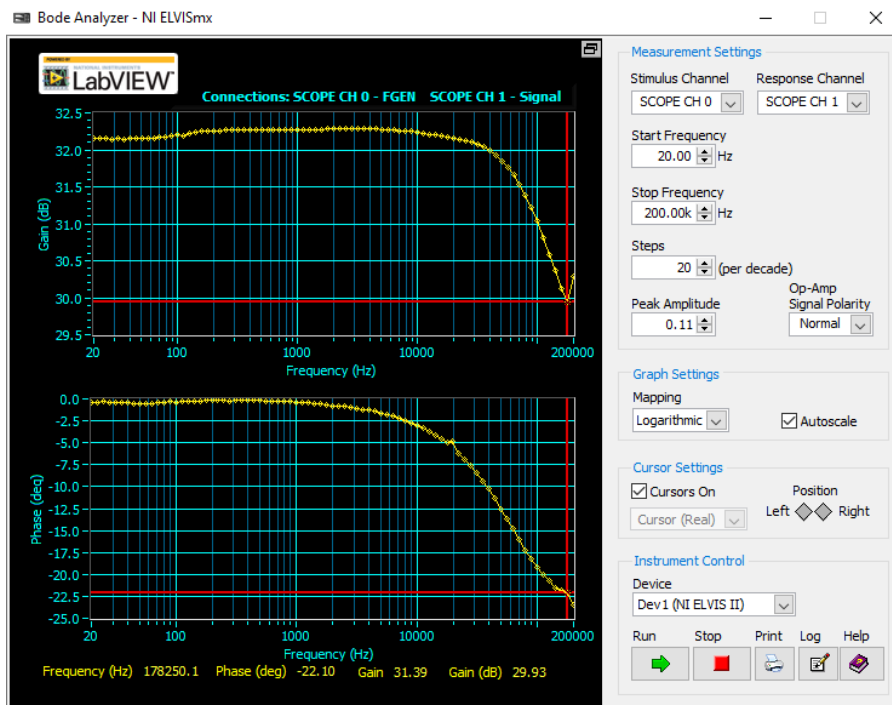


Fig 9. 0.11v

### Open Ended Question

#### What type of filter does the Bode Analyzer show?

The bode analyzer is a low pass filter. For measuring the frequency responses of passive/active filters, complex impedances and any other electronic circuit, the Bode analyzer is an ideal application. The Gain/Phase frequency response can be used to fully characterize any device under test, and linear and logarithmic sweeps can be performed. From 1Hz to 60 MHz, gain and phase can be measured. The basic user interface allows fast interaction. f