PHYS219_2020 - Alexander Shevchuk Exp. 5 (Final Project)/Prelab assignment for Exp 5

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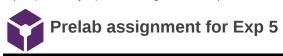
Alexander Shevchuk

on

Nov 20, 2020 @12:02 PM PST

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1. Main elements of AM radio:

- 1. Antenna picks up EM radiation. Idea
- 2. Tank circuit LC circuit tuned to resonate at desired frequency to pick up oscillating voltages delivered by the antenna
- 3. Diode to rectify current and low pass filter to demodulate wave (remove carrier part of signal and isolate audio signal)
- 4. Non inverting Op Amp to amplify signal so that it is audible. Contains also capacitor and resistor to remove DC offset
- 5. Speaker which converts voice voltage wave into sound

See PDF for other questions

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