

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

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Prelab assignment for Exp 5

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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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