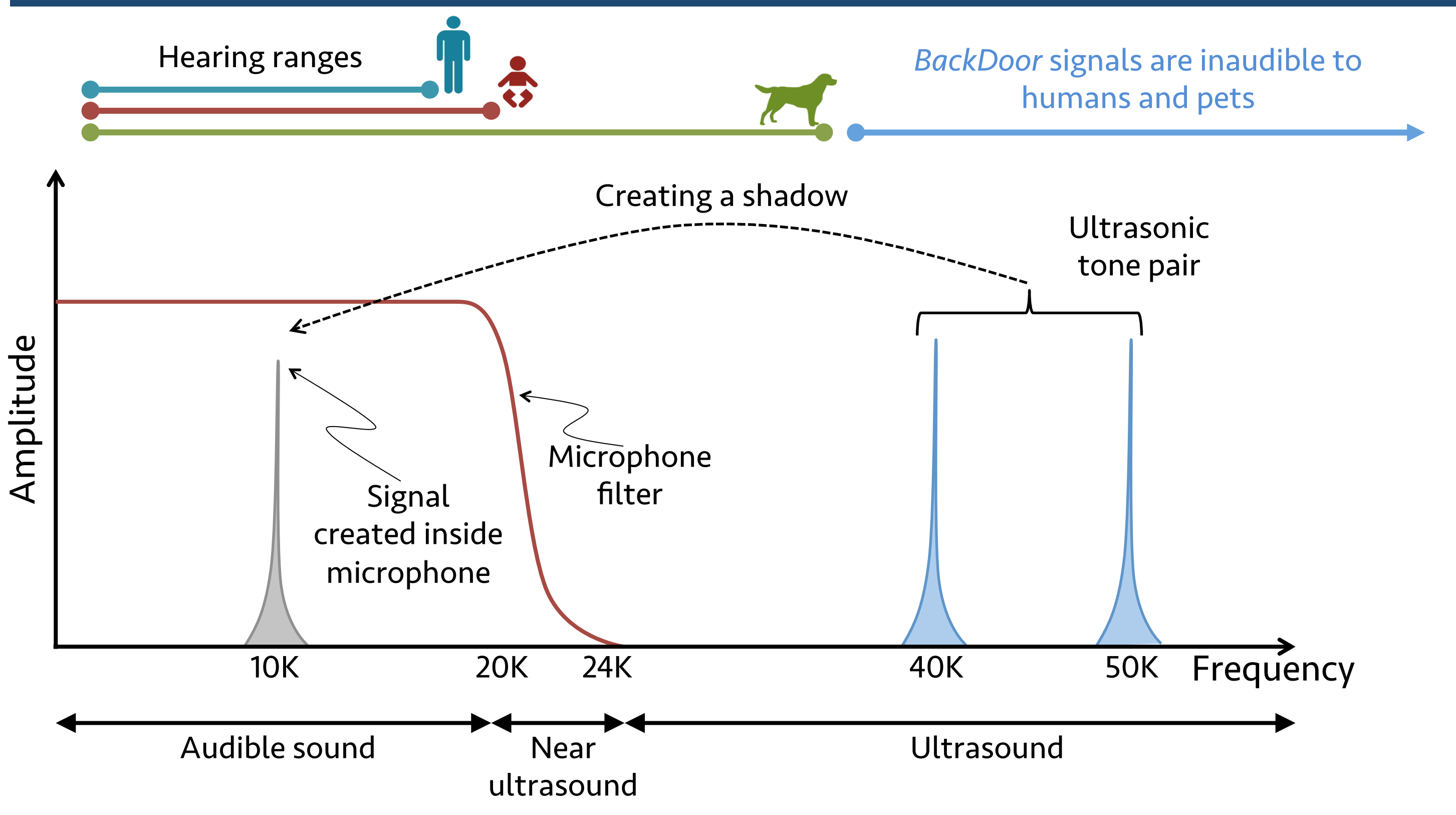


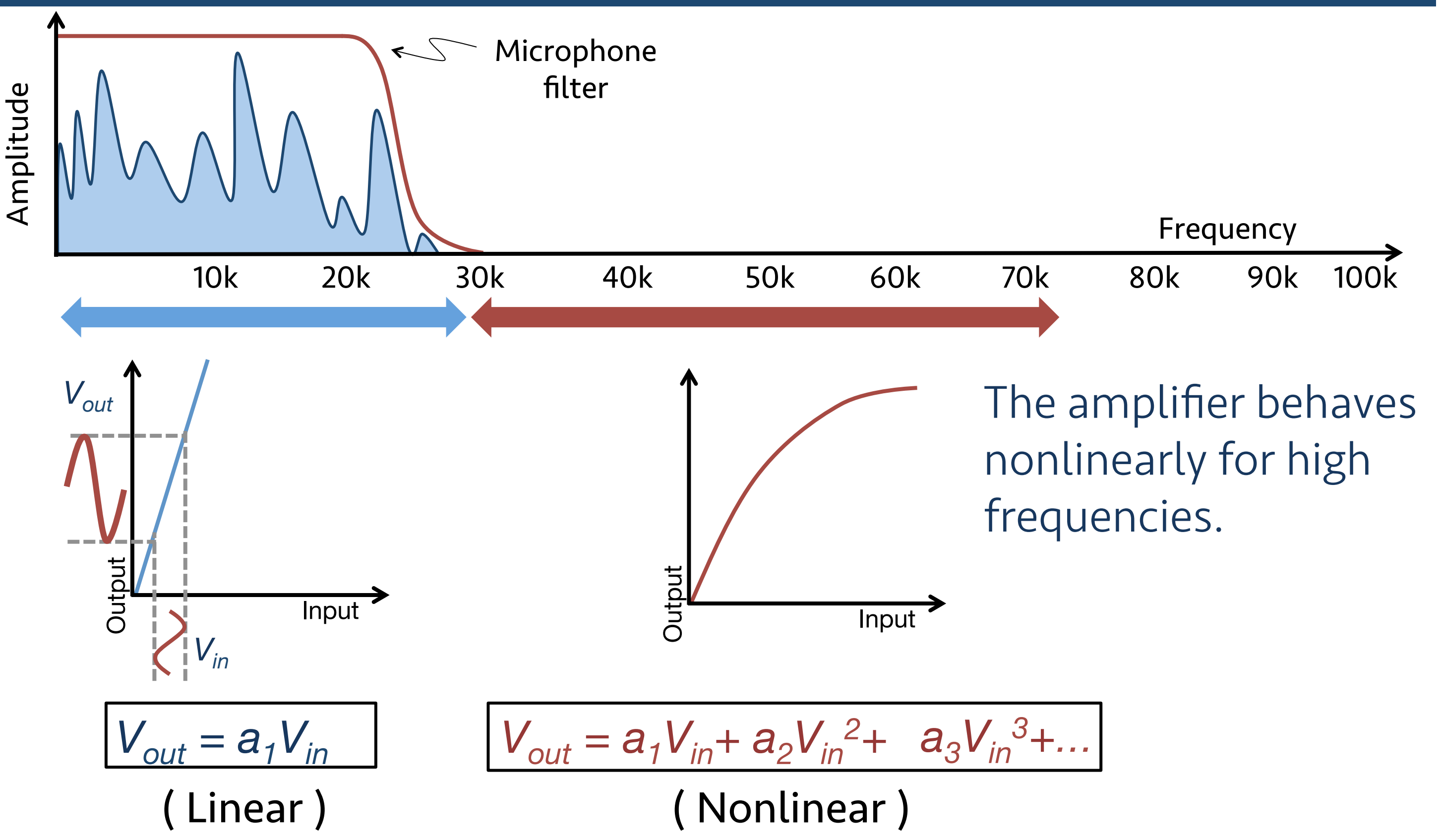


Riding the Nonlinearities to Record Ultrasound with Smartphones

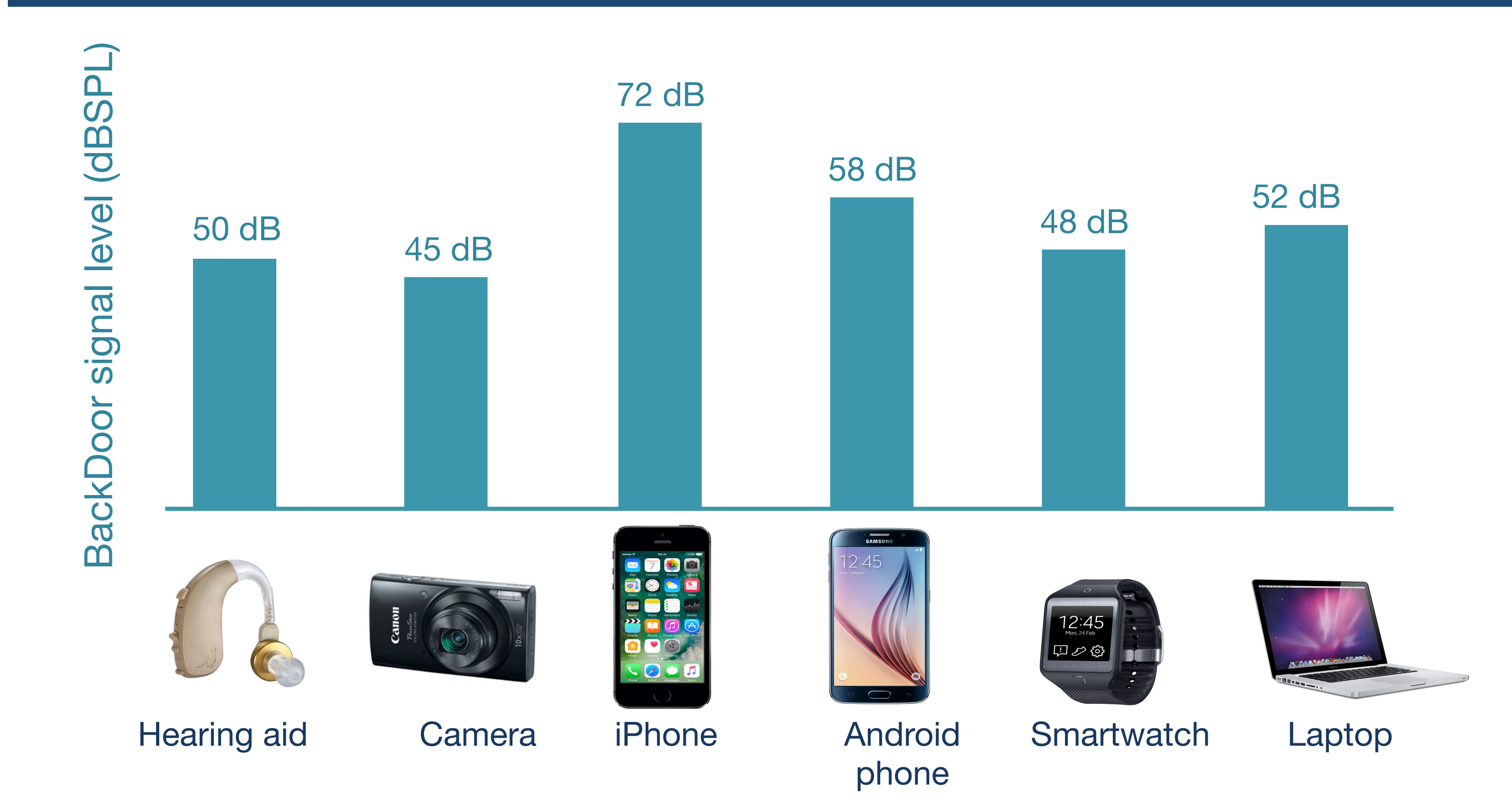
1. Concept overview



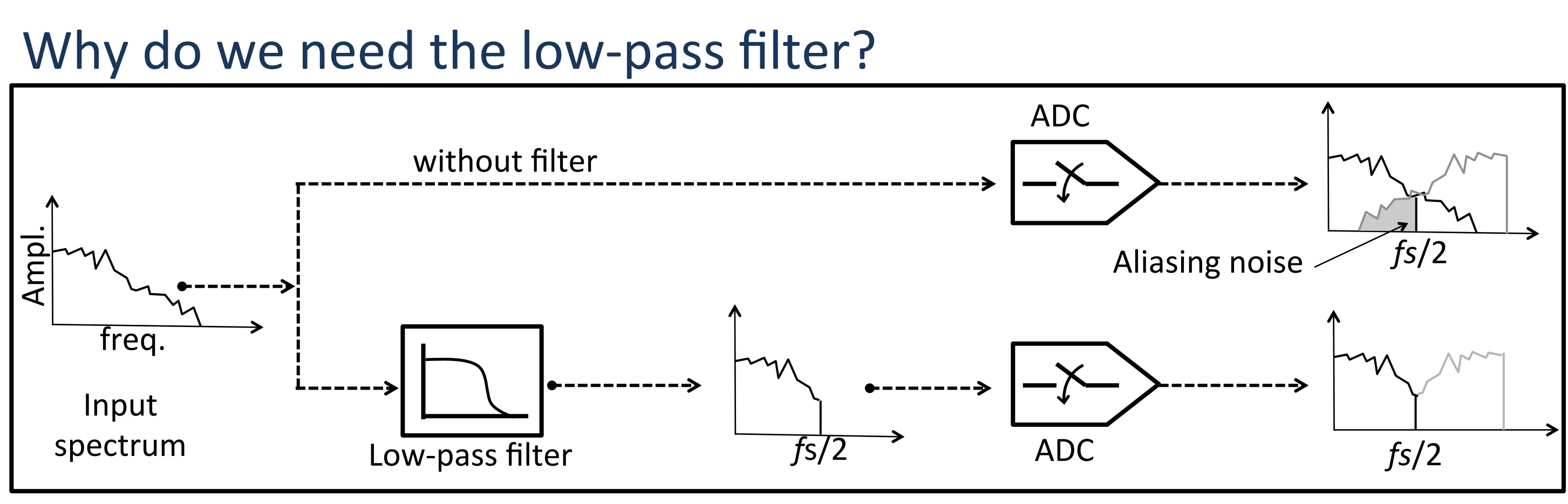
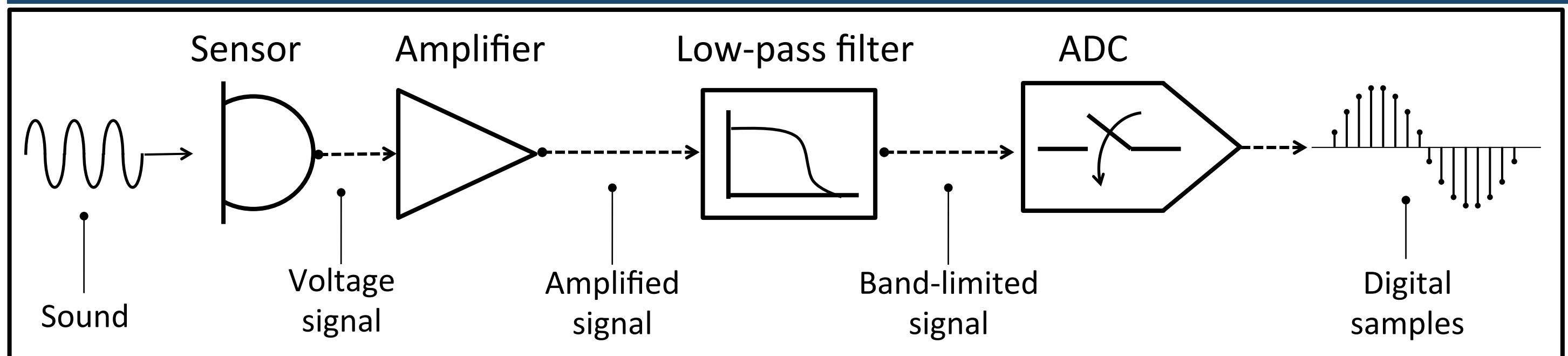
3. Amplifier nonlinearity



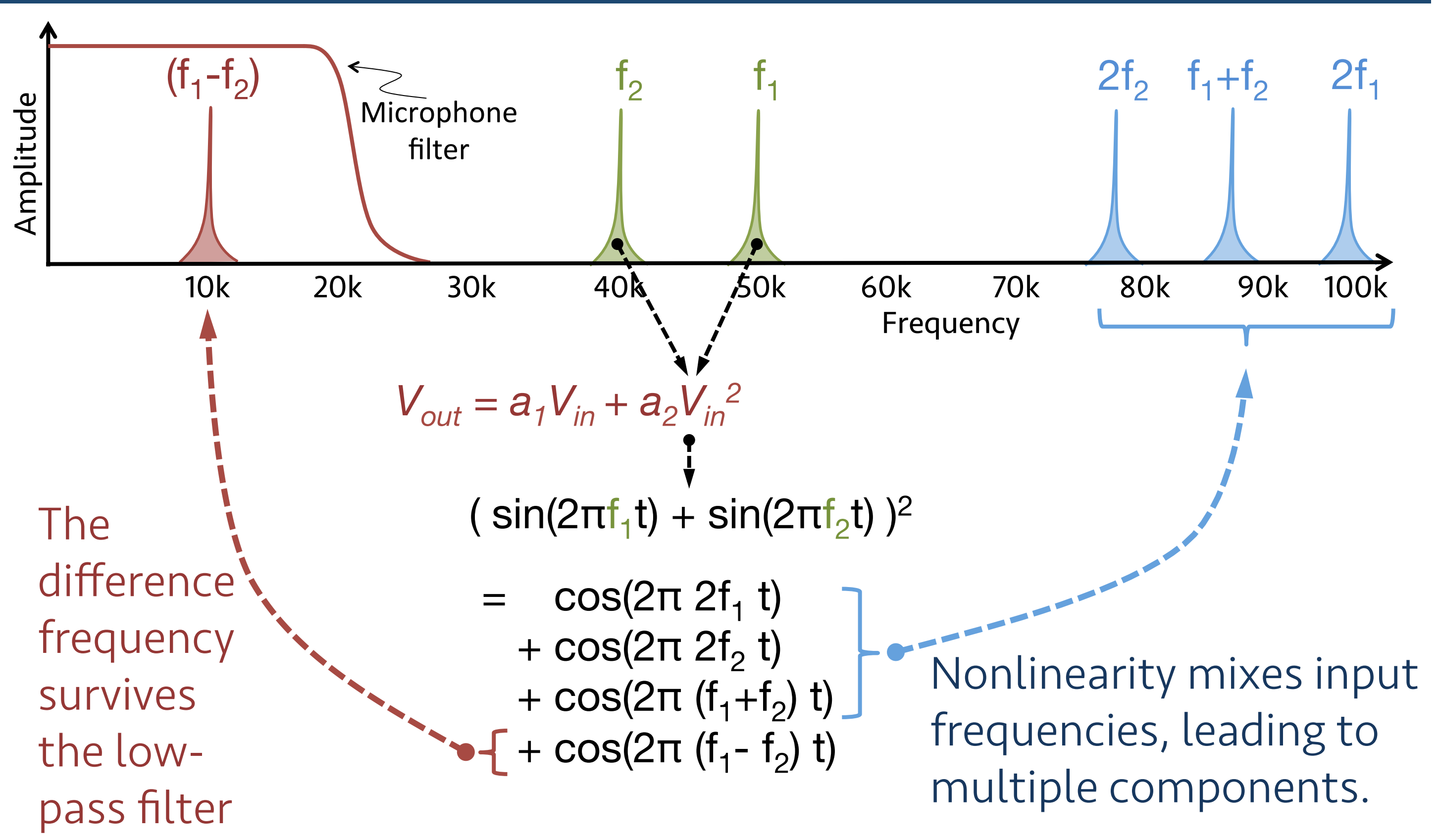
6. Hardware generalizability



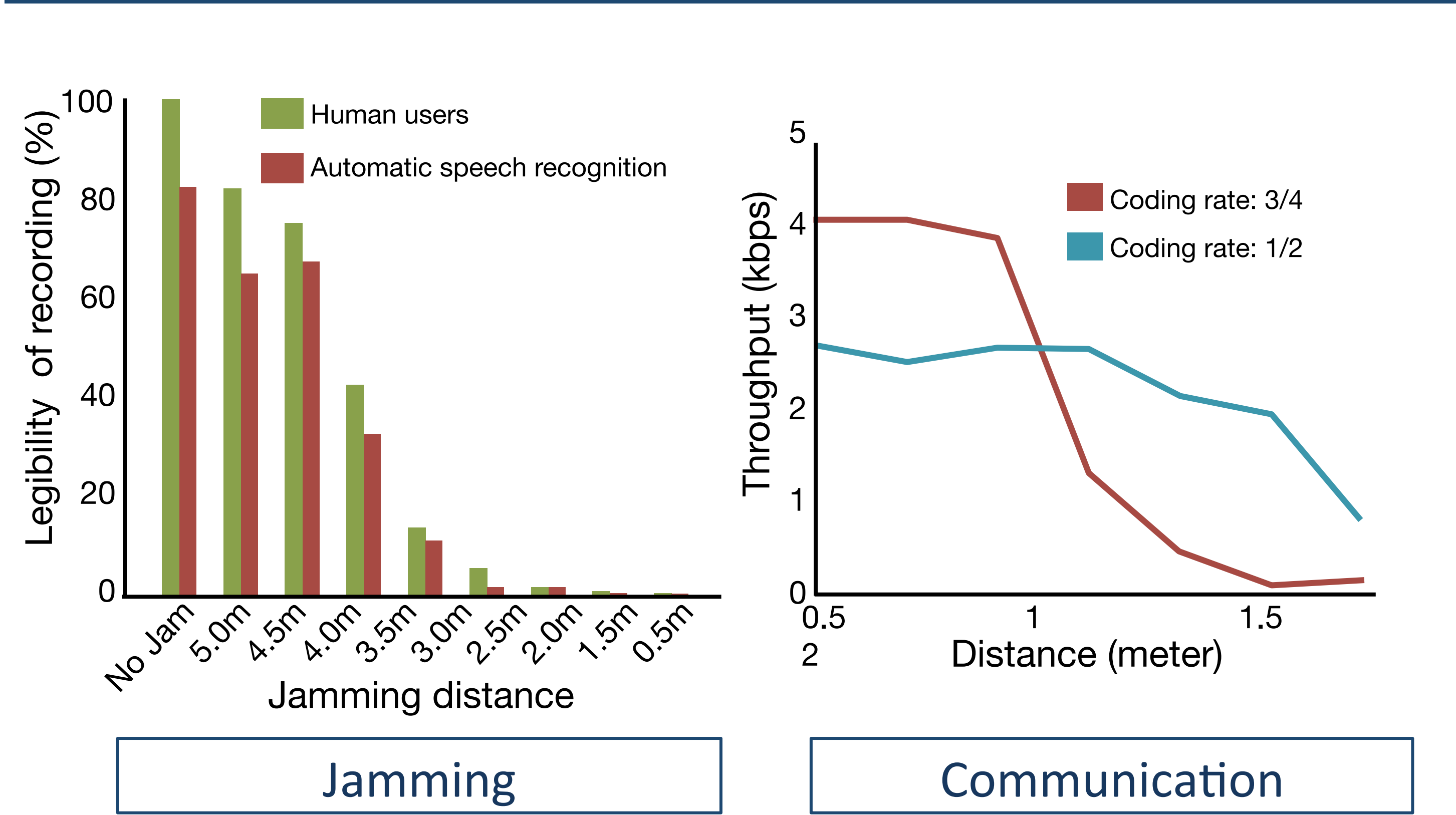
2. Microphone hardware



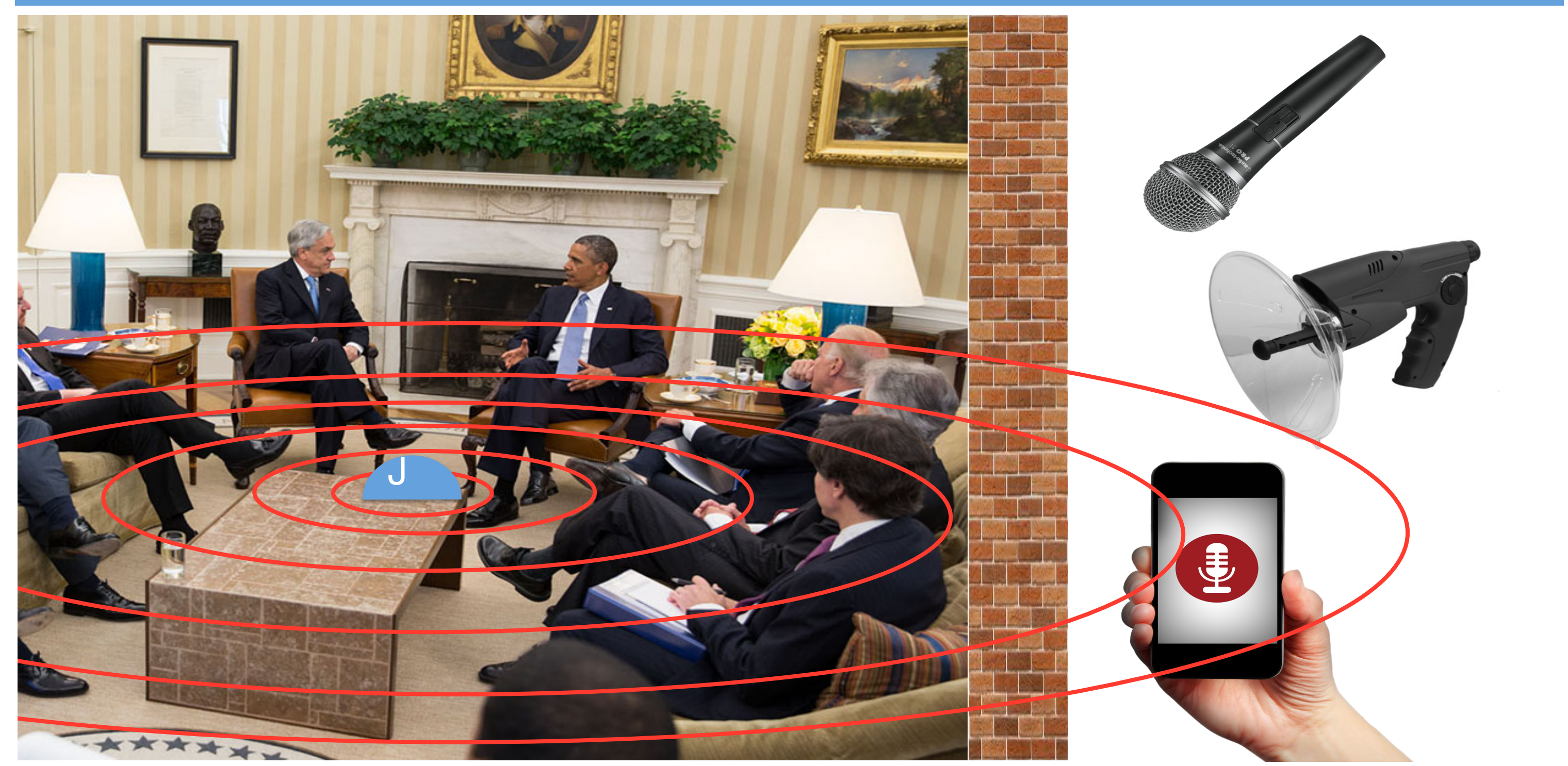
4. Frequency down-conversion



7. Evaluation



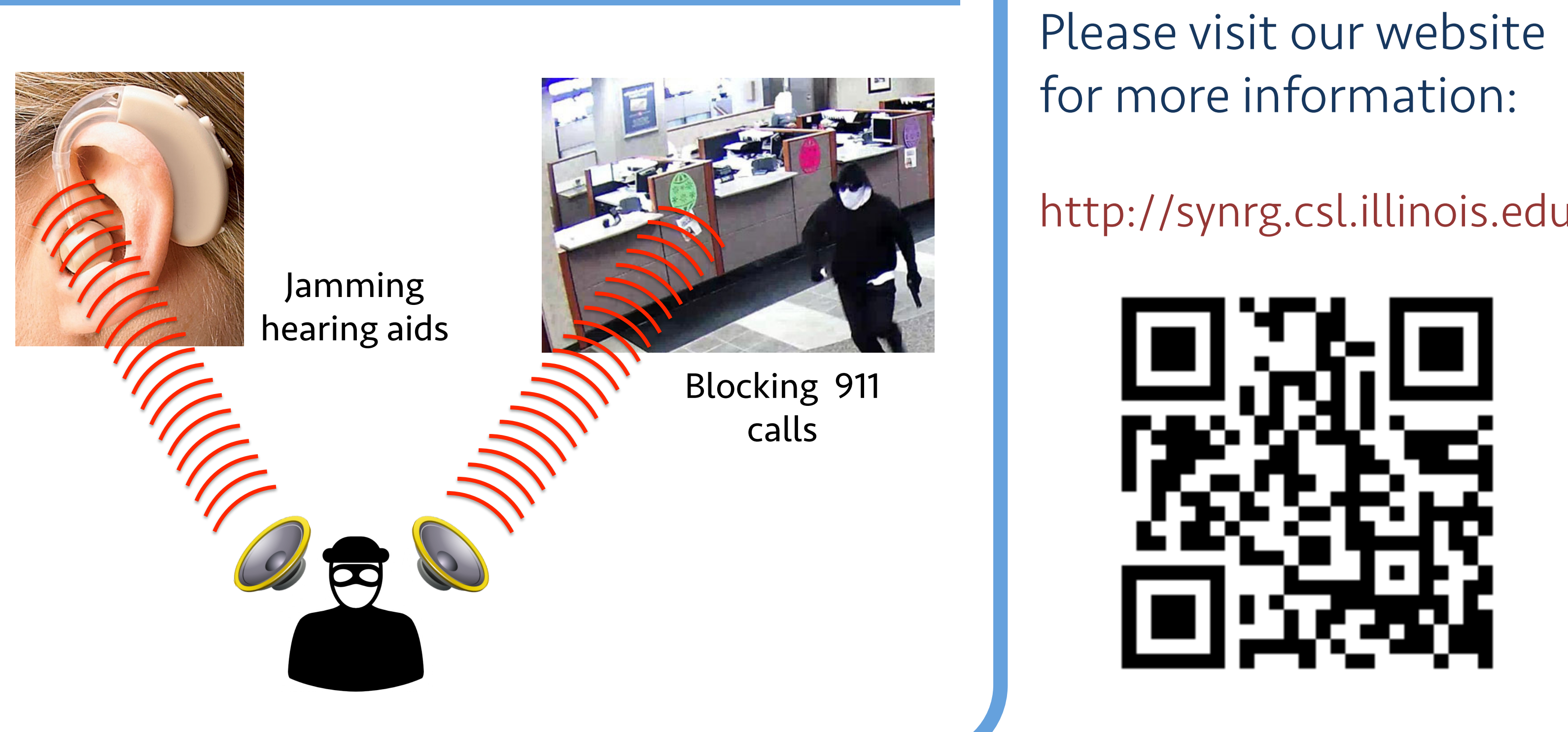
5. Applications - Acoustic jammer



5. Applications - Communication



5. Applications - Threat: DoS attack



5. Applications

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<http://synrg.csl.illinois.edu>

