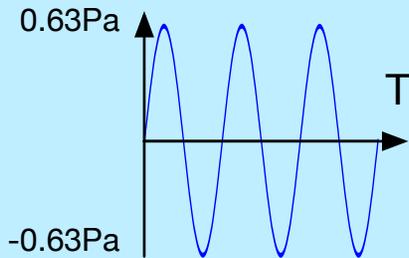


Case Example of Audio Signal Chain and Digital Clipping



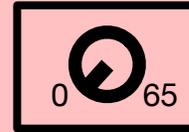
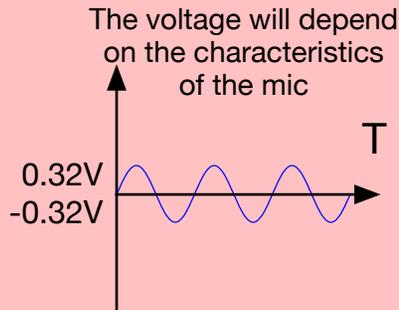
Sound Source



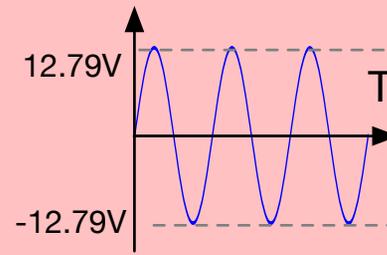
Air Pressure



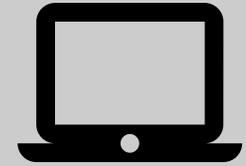
Mic



Preamp



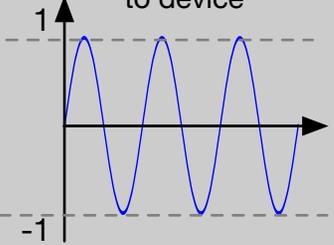
Voltage



ADC

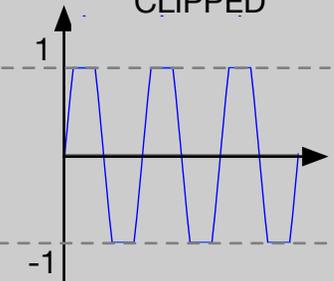
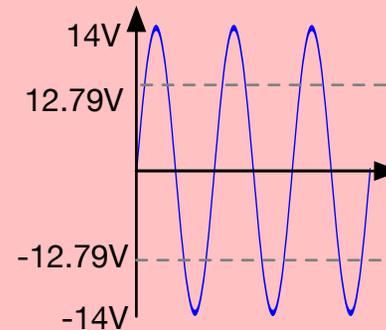
12.79V (24dBu) = 1

The voltage that corresponds to "1/-1" differs from device to device



Bits

If the voltage is GREATER than what the ADC can handle, then signal is "CLIPPED"



=> DISTORTION
(Not the good kind!)