Possible Filtering methods

1. Direct voice band ideal bandpass.
   1. Not realizable
   2. Assumes voice band is defined or known
   3. Transfer function no longer represents the channel
   4. Received signal is now the “input” to find transmitted signal

1. Direct voice band finite-order bandpass
   1. Realizable
   2. Possible real time implementation
   3. Assumes voice band is defined or known
   4. Transfer function no longer represents the channel
   5. Received signal is now the “input” to find transmitted signal
2. Transfer function by known input and output
   1. Assumes input and output are defined or known
3. Noise reduction and equalization
   1. Output is known
   2. Noise spectrum is known
   3. Channel attenuation is known