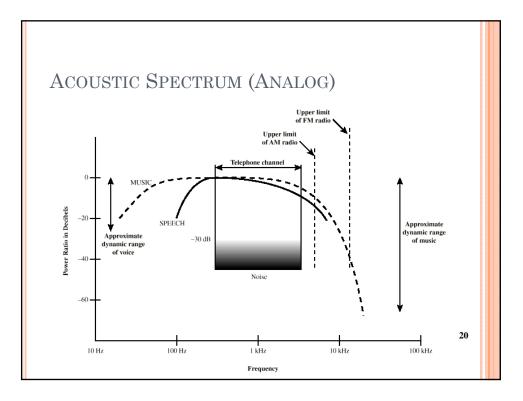


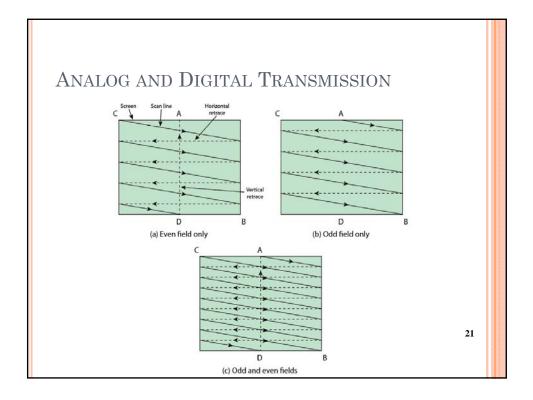
19

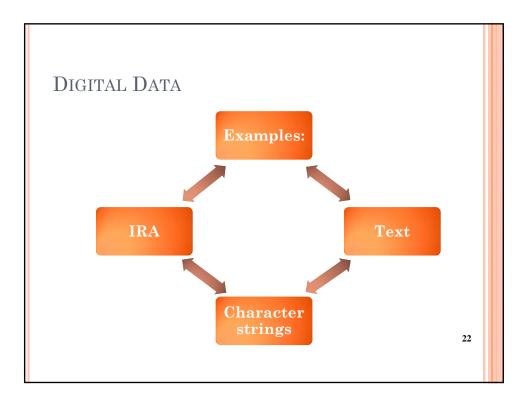


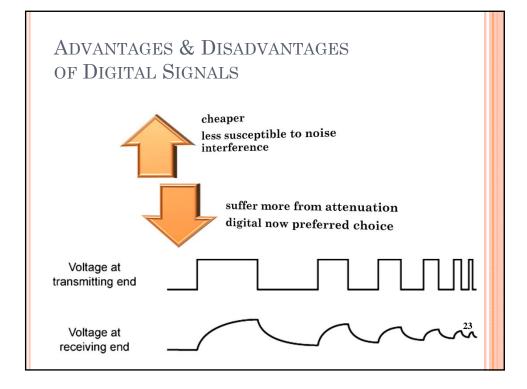
o data

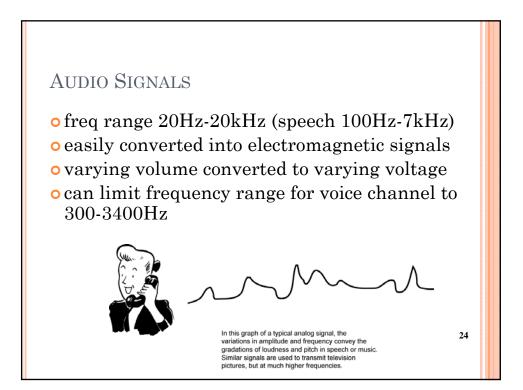
- entities that convey meaning
- o signals
 - electric or electromagnetic representations of data
- signaling
 - physically propagates along medium
- transmission
 - communication of data by propagation and processing of signals

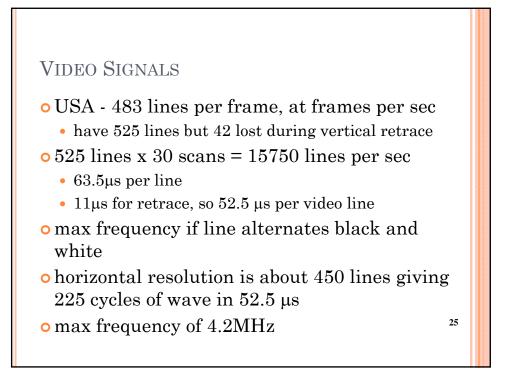


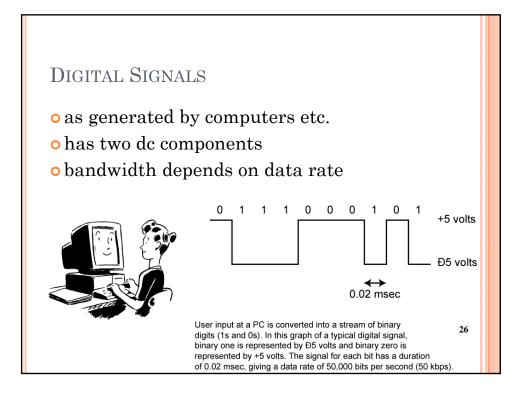


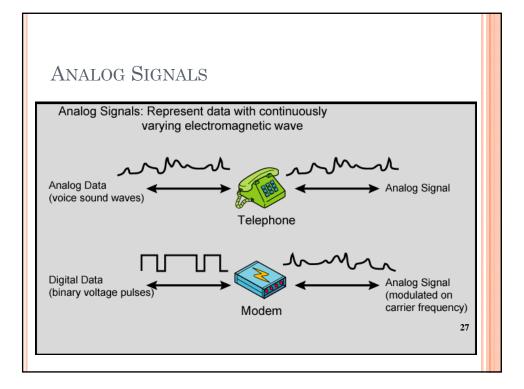


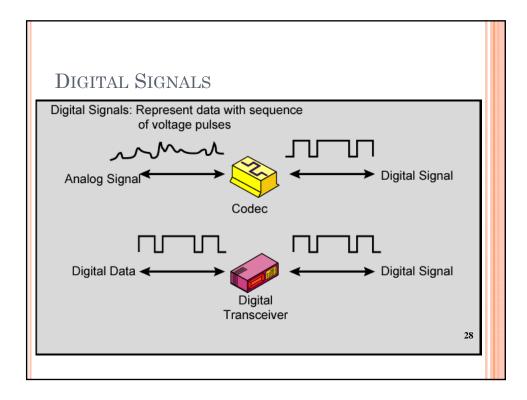


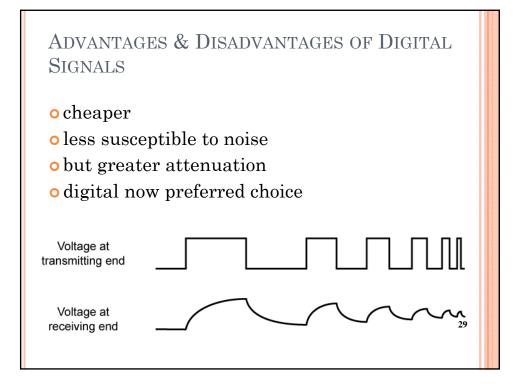


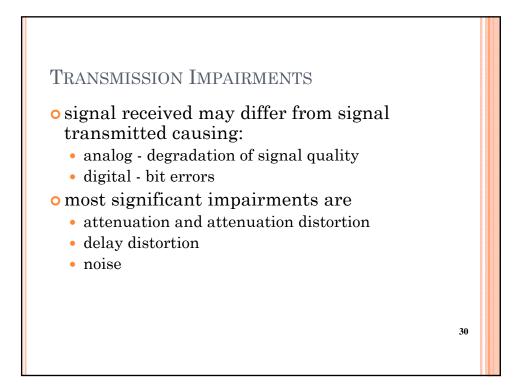


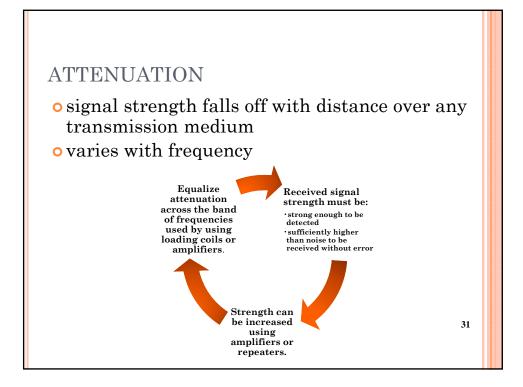


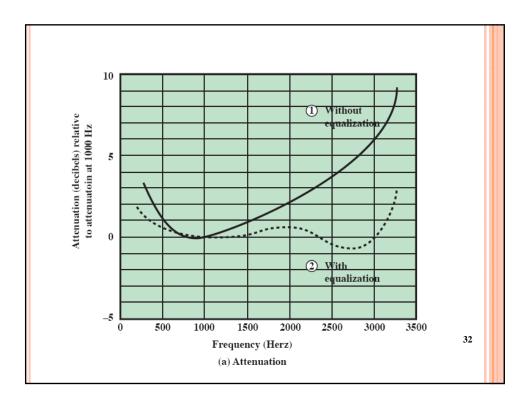


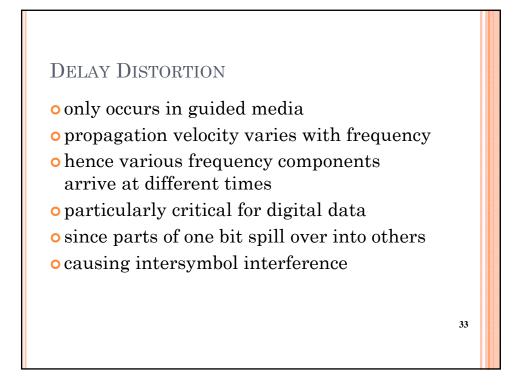


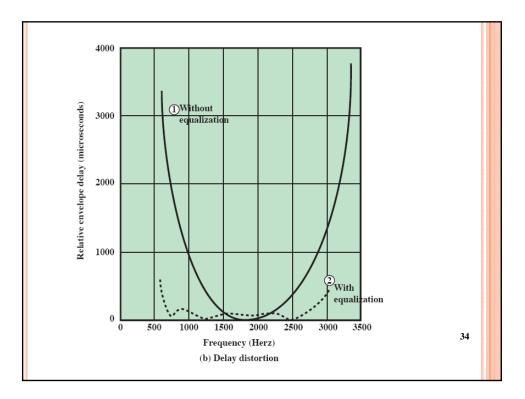


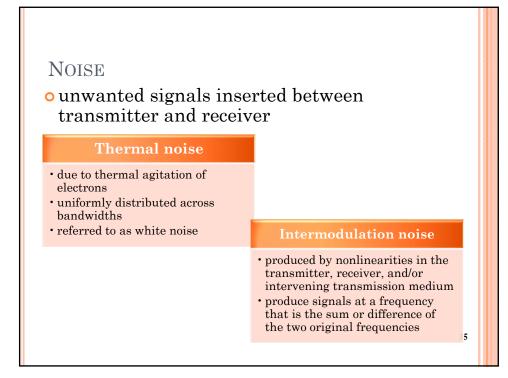


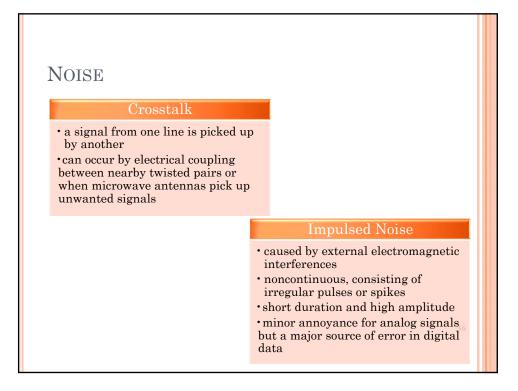












Maxim		at which municat		be trans nnel unde	
data rate in bits per second	bandwidth in cycles per second or Hertz	noise average noise level over path	error rate rate of corrupted bits	limitations due to physical properties	main constraint on achieving efficiency is noise

