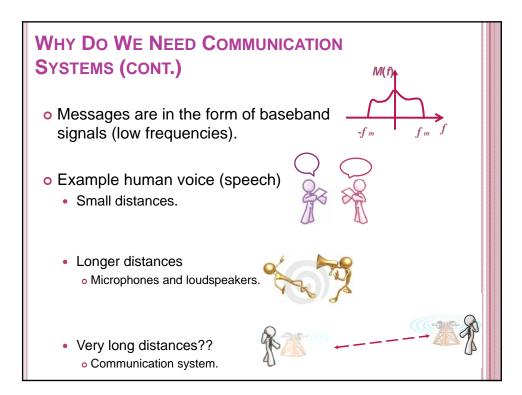
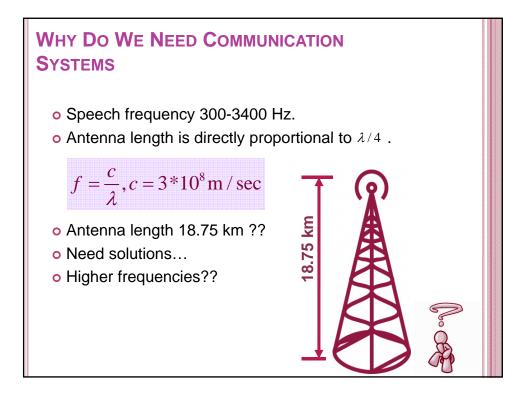
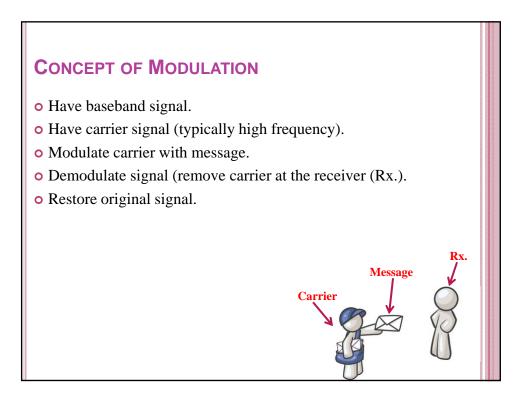


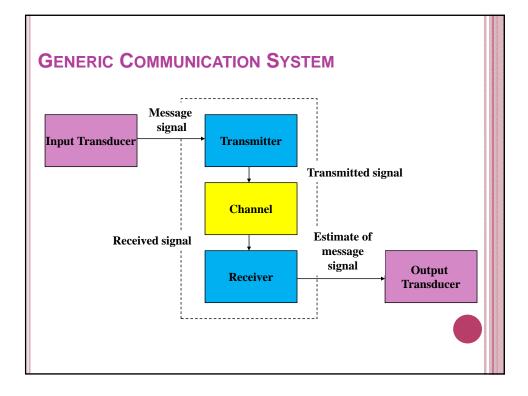


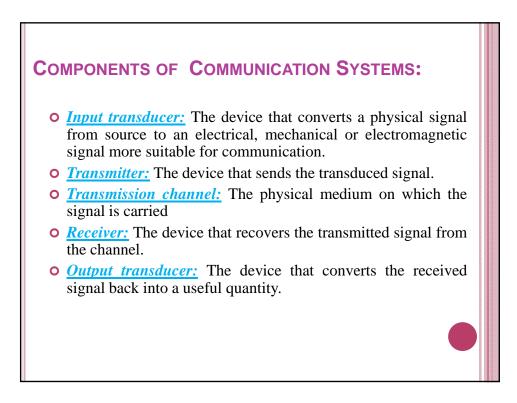
- The purpose of a communication system is to transmit information (*baseband*) signals located at one point (*source*) in space to another point (*destination*).
- The term *baseband* is used to designate the band of frequencies representing the original signal as delivered by the input transducer.
  - For example, the voice signal from a microphone is a baseband signal, and contains frequencies in the range of 300-3400 Hz

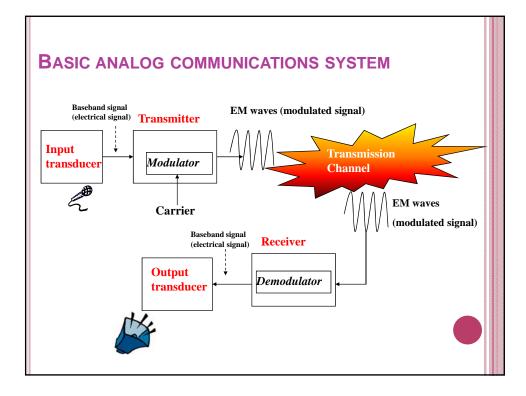


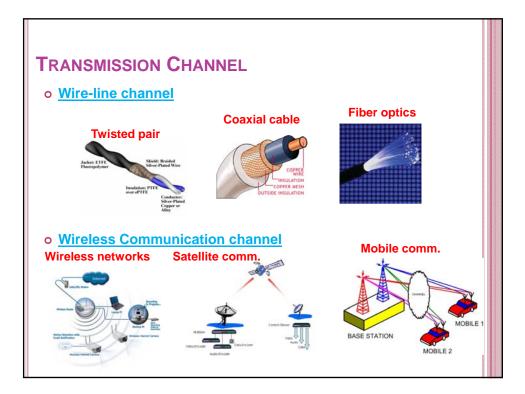


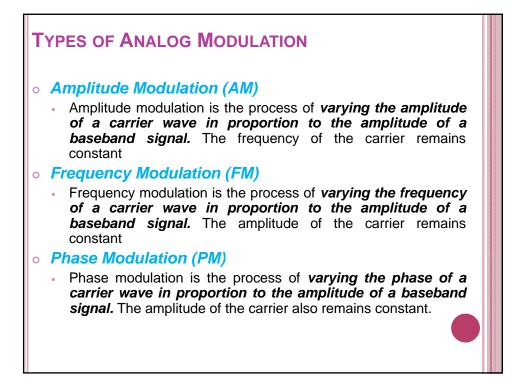


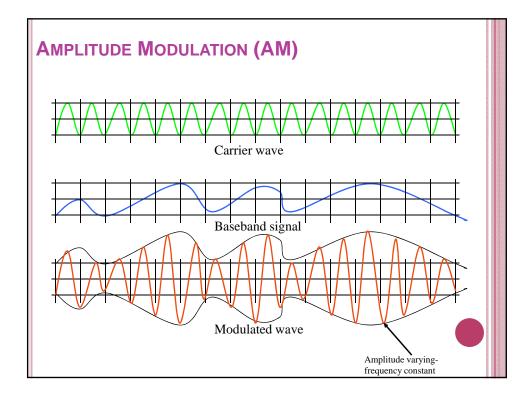


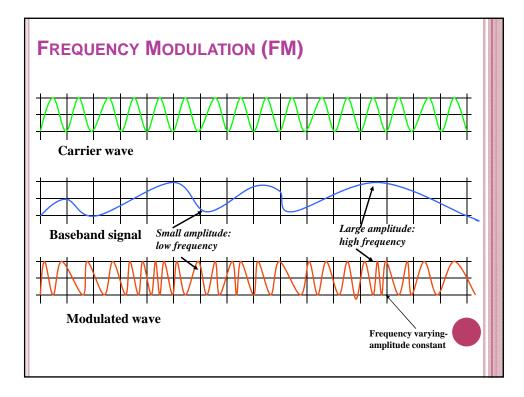


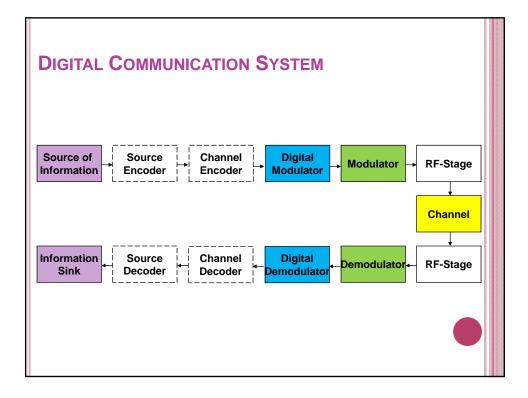


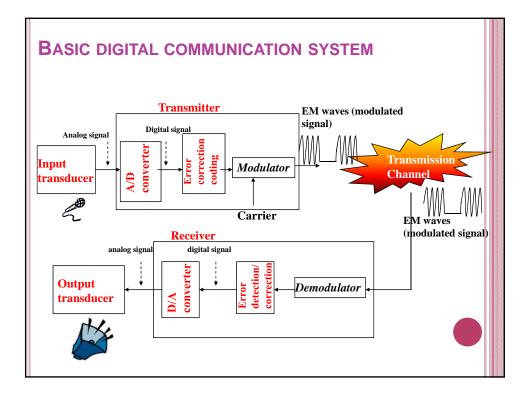


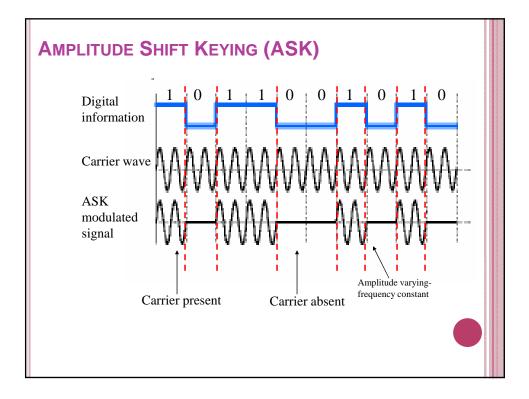


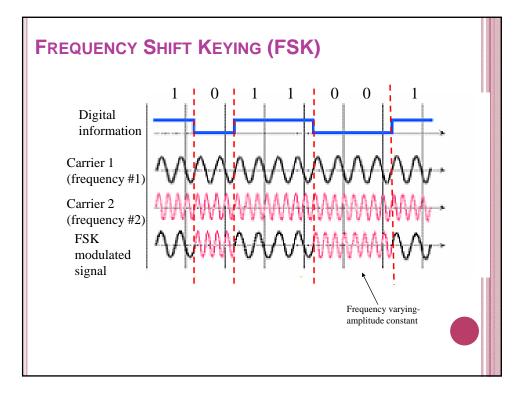


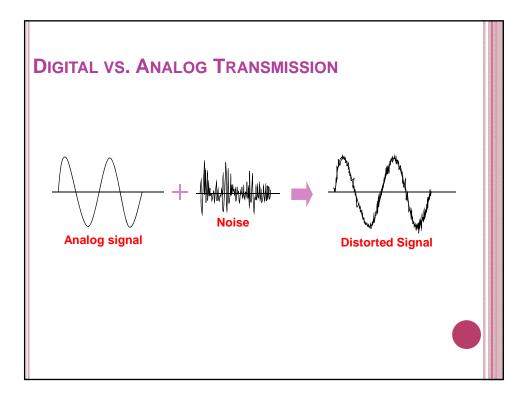


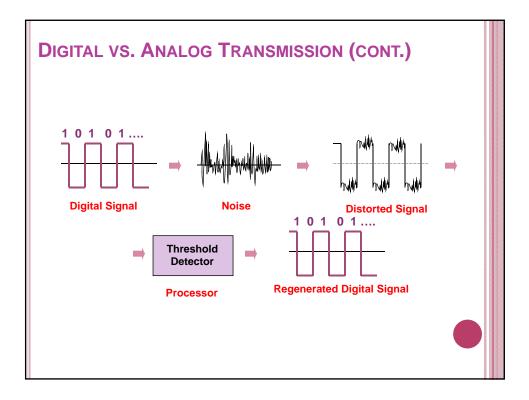


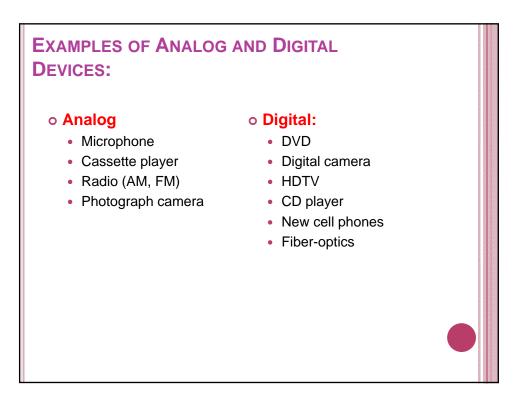












10

Frequency band	Abbreviation	Frequency range
Very low frequency	VLF	10 kHz – 30 kHz
Low frequency	LF	30 kHz – 300 kHz
Medium frequency	MF	300 kHz – 3 MHz
High frequency	HF	3 MHz – 30 MHz
Very high frequency	VHF	30 MHz – 300 MHz
Ultra high frequency	UHF	300 MHz – 3 GHz
Super high frequency	SHF	3 GHz – 30 GHz
Extra high frequency	EHF	30 GHz – 300 GHz

