

EERI423 ST2 demarcation

May 19, 2017

- Describe and compare different types of multiplexing
- PCM
 - Define PCM
 - Draw a block diagram of a PCM multiplexer
 - Name the advantages of PCM multiplexing
- Explain the relationship between bandwidth and bit rate
- Explain the operation and benefits of spread spectrum
- Define the Characteristic of radio Waves
- Calculate the signal strength of a radio wave at a given point
- use various channel models, and propagation equations to determine the communication range.
- Name and describe the components of conventional electrical telephones
- Describe the hierarchy of telephone signals using a block diagram
- Describe a common second generation cell phone
- Describe the block diagram architecture of a 3G cell phone
- Describe the architecture and operation of a GSM cellular network.]i