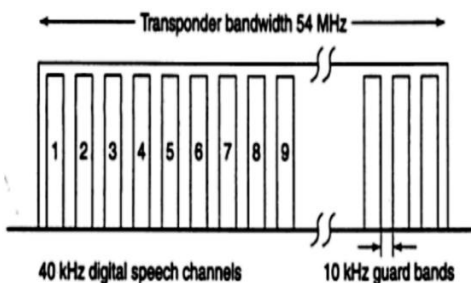
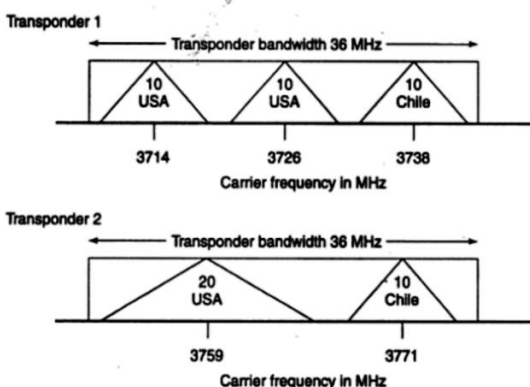


Frequency Division Multiple Access(FDMA):

- First multiple access technique used in satellite communication systems.
- Available frequency band is divided into N non – overlapping channels.
- Guard band minimize interference between channels.
- FDM- FM RF carrier is used to transmit data to the satellite.
- The main advantage of FDMA is that filters can be used to separate signals.



Advantages:

- If channel is not in use, it sits idle
- Fairly efficient when the number of stations is small and the traffic is uniformly constant
- No need for network timing
- No restriction regarding the type of baseband or type of modulation.

Disadvantages:

- The presence of guard bands.
- Requires right RF filtering to minimize adjacent channel interference.