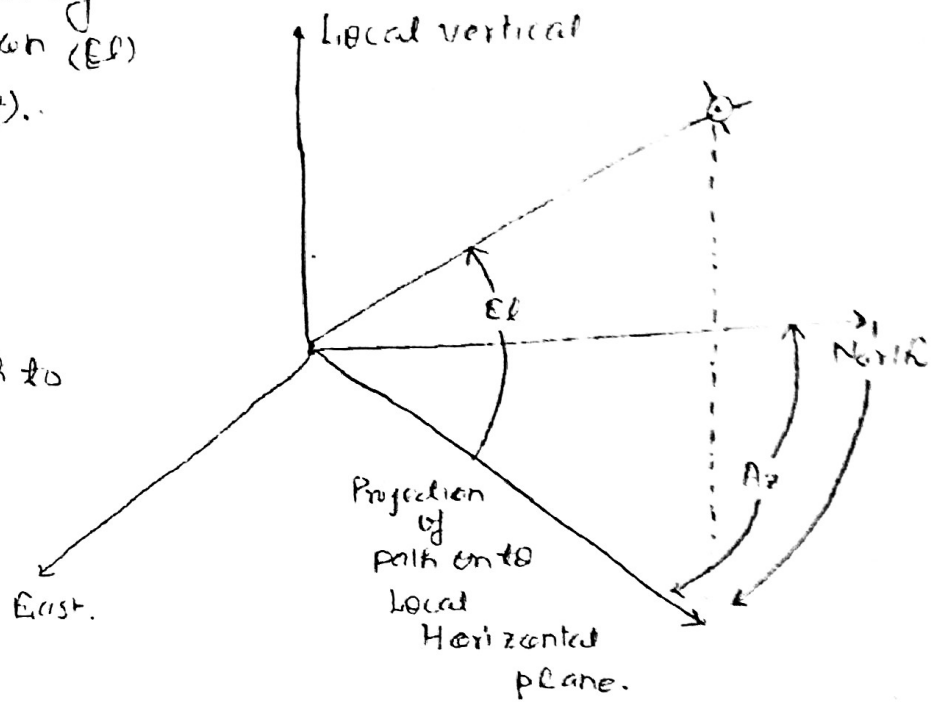


Look Angles :- "The Co-ordinates to which an earth station antenna must be pointed to communicate with a satellite are called look angles."

These are most commonly expressed as elevation (EL) and azimuth (AZ) (AZ).

Azimuth is measured clockwise (Eastward) from geographic north to the projection of the satellite path on a local horizontal plane at the Earth station to the satellite path.



Elevation angle and Azimuth angle.

→ Subsatellite Point :-

The subsatellite point is the location on the surface of the earth that lies directly between satellite and the centre of the earth. It is the pointing direction from the satellite and from a satellite in an equatorial orbit, it will always be located on the equator.

→ The elevation angle measured upward from the local horizontal at the earth station.

while

→ The azimuth angle is measured from true north in an Eastward direction to the projection of the satellite path onto local horizontal path.