```
Agent
              - m map
              - m_id
              m_clock
              + Agent()
              + Agent()
              + ~Agent()
              + operator==()
              + getMap()
              + getClock()
              + getId()
              + toString()
                    Д
             LocatableAgent
           - m location
           + LocatableAgent()
           + ~LocatableAgent()
           + toString()
           + getLocation()
           + setLocation()
           + dumpLocation()
                    Δ
             ImmovableAgent
          + ImmovableAgent()
          + ~ImmovableAgent()
          + toString()
                 Antenna
- m_cell
- m_devices
- m_file
- m_S0
- m_rmax
- m_mapping_azim
- m_mapping_elev
- m_sd_azim
- m_sd_elev

    m_eventFactory

- m_antennaConfig
- m_simConfig
- EventHeaderCelIID
- EventHeaderCelIIDTA

    delta4G

    delta3G

    MAXTA4G

    MAXTA3G

+ Antenna()
+ ~Antenna()
+ toString()
+ tryRegisterDevice()
+ dettachDevice()
+ getType()
+ computeSignalDominance()
+ computeSignalDominance()
+ computePower()
+ computePower()
+ getMNO()
+ getAntennaOutputFileName()
+ getRmax()
+ dumpCell()
+ computeSignalStrength()
+ dumpSigna
+ getHeader()
+ getEventHeader()
- attachDevice()
alreadyRegistered()
registerEvent()
- getNumActiveConections()
- S0()
- SDist()
- computeSignalQualityOmnidirectional()

    computeSignalQualityDirectional()

- computeSignalStrengthDirectional()
- computeSignalStrengthOmnidirectional()
- setLocationWithElevation()
- projectToEPlane()
createMapping()
- getMin3db()
- norm_dBLoss()
- normalizeAngle()
searchMin()
findSD()
- getCoverageAreaOmnidirectional()

    getCoverageAreaDirectional()

- setCell()
- S()
getCoverageArea()
computeSignalStrength()
computeSignalMeasure()buildEventConfig()
- getMaxConnections()
- getPower()
getAttenuationFactor()
getTypeName()
- getSmin()
- getQmin()
- getSmid()
- getSSteep()
getTilt()
getAzimDBBack()
- getElevDBBack()
- getBeamH()
- getBeamV()
- getDirection()
getHeight()
```