```
Agent

    m_map

                    - m_id

    m_clock

                   + Agent()
                   + ~Agent()
                   + operator:
                   + getName()
                   + toString()
                   + getMap()
                   + šetMap()
                   + getClock()
                   + getld()
                  LocatableAgent

    m_location

               + LocatableAgent()
               + ~LocatableAgent()
               + getName()
               + toString()
               + getLocation()
               + setLocation()
               + dumpLocation()
                 ImmovableAgent
              + ImmovableAgent()
              + ~ImmovableAgent()
              + toString()
              + getName()
                            Δ
                       Antenna
m_ple
m_power

    m_maxConnections

- m_Smid
- m_SSteep

 m_cell

    m_devices

m_typem_file
- m_S0
m_heightm_tilt
- m_beam_\
- m_beam_H
- m_azim_dB_
                    Back
- m_elev_dB_Back
- m_direction
- m_MNO
- m_rmax
      Smin
- m_Smin
- m_Qmin
- m_mapping_azim
m_mapping_elev

    m_sd_azim

- m_sd_elev
     handoverMechanism
- m
+ Antenna()
+ Antenna()
+ ~Antenna()
+ getName()
+ toString()
+ getPLE()
+ setPLE()
+ getPower()
+ setPower()
+ getMaxConnections()
+ setMaxConnections()
+ tryRegisterDevice()
+ attachDevice()
+ dettachDevice()
+ getType()
+ setType()
+ S()
+ getSmid()
+ setSmid()
+ getSSteep()
+ setSSteep()
+ computeSignalQuality()
+ computeSignalQuality()
+ computePower()
+ computePower()
+ getCoverageArea()
+ getMNO()
+ getAntennaOutputFileName()
+ getRmax()
+ getSmin()
+ dumpCell()
+ computeSignalStrength()
+ computeSignalStrength()
+ computeSignalMeasure()
+ getHandoverMechanism()
+ setHandoverMechanism()

    alreadyRegistered()

- registerEvent()
- getNumActiveConections()
- S0()
- SDist()

    computeSignalQualityOmnidirectional()

- compute Signal Quality Directional()
- compute Signal Strength Directional()
- compute Signal Strength Omnidirectional()
- compute Signal Strength Omnidirectional()
- set Location With Elevation()
- project To EPlane()
- create Mapping()
- cot Min 3 dh()
getMin3db()
norm_dBLoss()normalizeAngle()
- searchMin()
findSD()getCoverageAreaOmnidirectional()
getCoverageAreaDirectional()
```