

ns3::lorawan::LoraMac

m cannotSendBecauseDutyCycle # m_receivedPacket

m_sentNewPacket

m_phy

m_device

m_channelHelper

m_sfForDataRate # m_bandwidthForDataRate

m_maxAppPayloadForDataRate

m nPreambleSymbols

m_txDbmForTxPower # m_replyDataRateMatrix

+ LoraMac()

+ ~LoraMac() + SetPhy()

+ GetPhy()

+ Send()

+ Receive() + FailedReception()

+ TxFinished()

+ SetDevice() + GetDevice()

+ GetLogicalLoraChannelHelper() + SetLogicalLoraChannelHelper()

+ GetSfFromDataRate()

+ GetBandwidthFromDataRate()

+ GetDbmForTxPower() + SetSfForDataRate()

+ SetBandwidthForDataRate()

+ SetMaxAppPayloadForDataRate()

+ SetTxDbmForTxPower()

+ SetReplyDataRateMatrix()

+ SetNPreambleSymbols() + GetNPreambleSymbols()

+ GetTypeId()

ns3::lorawan::EndDeviceLoraMac

- + EndDeviceLoraMac() \sim EndDeviceLoraMac()
- + Send()
- + DoSend() + SendToPhy()
- + postponeTransmission()
- Receive()
- + FailedReception()
- TxFinished() + OpenFirstReceiveWindow()
- + OpenSecondReceiveWindow() + CloseFirstReceiveWindow()
- + CloseSecondReceiveWindow()
- + resetRetransmissionParameters()
- + SetDataRateAdaptation()
- + GetDataRateAdaptation() + SetMaxNumberOfTransmissions() + GetMaxNumberOfTransmissions()
- + SetDataRate() + GetDataRate()
- + SetDeviceAddress()
- + GetDeviceAddress() + SetSecondReceiveWindowDataRate()
- + GetFirstReceiveWindowDataRate() + GetSecondReceiveWindowDataRate()
- + SetSecondReceiveWindowFrequency()
- + GetSecondReceiveWindowFrequency()
- + GetAggregatedDutyCycle()+ ApplyNecessaryOptions()
- + ApplyNecessaryOptions()
- + SetMType()
- + GetMType()+ ParseCommands() + OnLinkCheckAns()
- + OnLinkAdrReq()
- + OnDutyCycleReq() + OnRxParamSetupReq()
- + OnDevStatusReq() + OnNewChannelReq()
- + AddLogicalChannel()
- + SetLogicalChannel() + AddLogicalChannel()
- + AddSubBand()
- + AddMacCommand()
- + GetTransmissionPower() + GetTypeId()