```
lime::LMS7002M
+ gVCO_frequency_table
+ gCGEN_VCO_frequencies
# mCalibrationByMCU
# mcuControl
# useCache
# mRegistersMap
# MemorySectionAddresses
# log_callback
# controlPort
# mdevIndex
# mSelfCalDepth
# opt_gain_tbb
  _cachedRefClockRate
# readOnlyRegisters
# readOnlyRegistersMasks
+ LMS7002M()
+ SetConnection()
+ GetConnection()
  ~LMS7002M()
+ SetActiveChannel()
+ GetActiveChannel()
+ GetActiveChannelIndex()
+ EnableChannel()
+ SetInterfaceFrequency()
+ GetSampleRate()
and 16 more..
+ CalibrateRx()
+ CalibrateTx()
  TuneTxFilter()
 TuneRxFilter()
TuneTxFilterWithCaching()
+ TuneRxFilterWithCaching()
+ CalibrateInternalADC()
+ CalibrateRP_BIAS()
+ CalibrateTxGain()
+ CalibrateAnalogRSSI
 DC_Offset()
+ SetRBBPGA_dB()
+ GetRBBPGA_dB()
+ SetRFELNA_dB()
+ GetRFELNA_dB()
+ SetRFELoopbackLNA_dB()
+ GetRFELoopbackLNA_dB()
+ SetRFETIA_dB()
+ GetRFETIA_dB()
+ SetTRFPAD_dB()
+ GetTRFPAD_dB()
+ SetTBBIAMP_dB(
+ SetTBBIAMP_dB()
+ GetTBBIAMP_dB()
+ SetTRFLoopbackPAD_dB()
+ GetTRFLoopbackPAD_dB()
+ LoadDC_REG_IQ()
+ SetNCOFrequency()
+ GetNCOFrequency()
+ SetNCOPhaseOffsetForMode0()
+ SetNCOPhaseOffset()
+ GetNCOPhaseOffset_
+ SetGFIRCoefficients()
+ GetGFIRCoefficients()
+ GetReferenceClk_TSP()
# Log()
# Log()
# Log()
# LoadConfigLegacyFile()
# BackupAllRegisters()
# RestoreAllRegisters()
# GetRSSI()
# GetAvgRSSI()
# SetRxDCOFF()
# CalibrateRxDC()
# AdjustAutoDC()
# CalibrateRxDCAuto()
# CalibrateTxDCAuto()
# CalibrateTxDC()
and 20 more...
 PathRi
* SetPathRFE()
* GetPathRFE()
* SetBandTRF()
* GetBandTRF()
* VCO_Module
* SetReferenceClk_SX()
* GetReferenceClk_SX(
* GetFrequencyCGEN()
                     SX()
 SetFrequencyCGEN()
* GetCGENLocked()
* GetFrequencySX()
 SetFrequencySX()
 SetFrequencySXWithSpurCancelation()
* GetSXLocked()
* TuneCGENVCO()
* TuneVCO()
* LMLSampleSource
 ConfigureLML_RF2BB()
 ConfigureLML_BB2RF()
 UploadAll()
DownloadAll()
* IsSynced()
* CopyChannelRegisters()
* ResetChip()
 SoftReset()
* LoadConfig()
* SaveConfig()
* Get_SPI_Reg_bits()
* Get_SPI_Reg_bits()
and 6 more.
 CalibrateRx()
* CalibrateTx()
* TuneTxFilter()
* TuneRxFilter()
* TuneTxFilterWithCaching()
* TuneRxFilterWithCaching()
* CalibrateInternalADC()
   CalibrateRP_BIAS()
* CalibrateTxGain()
* CalibrateAnalogRSSI
 DC Offset()
 SetRBBPGA_dB()
* GetRBBPGA_dB()
* SetRFELNA_dB()
* GetRFELNA_dB()
* SetRFELoopbackLNA_dB()
* GetRFELoopbackLNA_dB()
* SetRFETIA_dB()
* GetRFETIA_dB()
* SetTRFPAD_dB()
* GetTRFPAD_dB()
* SetTBBIAMP_dB()
* SetTBBIAMP_dB()
* GetTBBIAMP_dB()
* SetTRFLoopbackPAD_dB()
* GetTRFLoopbackPAD_dB()
* LoadDC_REG_IQ()
 SetNCOFrequency()
* GetNCOFrequency()
* SetNCOPhaseOffsetForMode0()
* SetNCOPhaseOffset()
 GetNCOPhaseOffset_
* SetGFIRCoefficients()
* GetGFIRCoefficients(
* GetReferenceClk_TSP()
* BackupAllRegisters()
* RestoreAllRegisters()
* GetRSSI()
* GetAvgRSSI()
* SetRxDCOFF()
* CalibrateRxDC()
* AdjustAutoDC()
* CalibrateRxDCAuto()
 CalibrateTxDCAuto()
* CalibrateTxDC()
and 20 more...
            LMS7002M_quiet
```