

maximumSamplingRate = 16e9;
samplingRate = 1/samplingPeriod;
symbolRate = 1/symbolPeriod;
samplesPerSymbol = round(symbolPeriod/samplingPeriod);

excessiveSamples = 0;
samplingRateReference = 1/samplingPeriod;

No
samplingRate > maximumSamplingRate
Yes

Exit

samplingRateReference > maximumSamplingRate
False

True

samplingRateReference = samplingRateReference - symbolRate;
excessiveSamples = excessiveSamples + 1;

It'll display warning
'bitPeriod is too low !!!'
if
maximumSamples=0

maximumSamples = samplesPerSymbol - excessiveSamples;

r = ceil(samplesPerSymbol/maximumSamples);

