Design and implement a low pass filter to meet the following specifications:

Sample Frequency: See table
Pass band edge: See table
Pass band ripple: 0.05
Stop band edge: See table
Stop band ripple: 0.02

The filter order should be the minimum necessary to meet the specifications.
Turn in the following:

1. Cover sheet with the assignment number (STM5), your name, the date turned in, and your filter order.
2. A signed verification sheet showing that you implemented this filter correctly. The sheet must be signed by Blandford, Randall, or Cron.
3. Your complete commented C code which implements the filter.
4. The frequency vs. amplitude plot for the filter over the whole frequency band.
5. Blow up plots of frequency vs. amplitude that show that your filter meets the specifications.
Verification Sheet
EE 311 Assignment STM 5

I verify that ___________________________ implemented a low pass _______________.
filter that meets the following specifications:

Sample Frequency : ____________
Pass band edge : ____________
Pass band ripple : 0.05
Stop band edge : ____________
Stop band ripple : 0.02

____________________________________
Signed by Blandford, Randall, or Cron

Note any exceptions:

________________________________________________________________________
________________________________________________________________________
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________________________________________________________________________
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