MATLAB script: Import tools for MED Conductor data

1. medload.m: Data import from all 64 channel & one sweep.
    (Command) data = medload(inFilename, DESIRED_TRACES, MEM_LIMIT)

    (Argument)
       inFilename: Data file name
       DESIRED_TRACES:
           Sweep number. If it's 'all', 'avg' or 'average', all the traces are loaded and averaged.
           If it's '1:5', the traces from 1st to 5th are loaded and averaged. Default setting is '1'.
       MEM_LIMIT: Limitation of memory for loading. Default setting is '10' [10 MB].

    (Result) This command will load the data of each channel into data matrix.

2. medload1ch.m: Data import from one channel & one sweep.
    (Command) data = medload1ch(inFilename, DESIRED_CH, DESIRED_TRACES, MEM_LIMIT)

    (Argument)
       inFilename: Data file name
       DESIRED_CH: Channel number to focus
       DESIRED_TRACES:
           Sweep number. If it's 'all', 'avg' or 'average', all the traces are loaded and averaged.
           If it's '1:5', the traces from 1st to 5th are loaded and averaged. Default setting is '1'.
       MEM_LIMIT: Limitation of memory for loading. Default setting is '10' [10 MB].

    (Result) This command will load the data of each channel into data matrix.