

ABSTRACT

A signal generating apparatus and method, an analog-to-digital mixed test board, and a tester are provided. The signal generating apparatus includes an arbitrary waveform generator, a read-write control module, an external clock chip, and a storage apparatus. The external
5 clock chip is configured to output a sampling clock to a digital-to-analog converter, and the sampling clock has a fixed frequency. The read-write control module is connected to the arbitrary waveform generator and the storage apparatus, respectively, and configured to read an original waveform from the storage apparatus according to a received read request instruction and return the read original waveform to the arbitrary waveform generator. The
10 arbitrary waveform generator is configured to perform resampling on the received original waveform to generate a reconstructed waveform that is fitted with the frequency of the sampling clock, and the reconstructed waveform is configured to perform digital-to-analog conversion by the digital-to-analog converter according to the sampling clock output from the external clock chip.

15 [FIG. 1]