

ABSTRACT

A signal receiving apparatus and method, an analog-to-digital mixed test board, and a tester are provided. The signal receiving apparatus includes a main test unit and a sub-test unit. In the sub-test unit, an external clock chip is configured to output a sampling clock to an analog-to-digital converter, the sampling clock has a fixed frequency, and a waveform digitizer is configured to receive an original waveform at the fixed frequency output by the analog-to-digital converter according to the sampling clock, perform resampling on the original waveform, generate a reconstructed waveform at any required frequency, and send the reconstructed waveform to a first communicating module. In the main test unit, a second communicating module is configured to receive the reconstructed waveform and send the reconstructed waveform to a waveform receiving module, and the waveform receiving module is configured to store the received reconstructed waveform into a storage module.

[FIG. 1]