

RADIO TERMINAL TESTING DEVICE AND ELECTRICAL WAVE
ENVIRONMENT TESTING APPARATUS FOR THE RADIO TERMINAL
TESTING DEVICE

ABSTRACT

A radio terminal testing device is provided which can simulate a specific actual radio environment and variation in electrical wave environment, and can perform a test with high reproducibility in an operation test including communication protocol. The present invention provides a radio terminal testing device which comprises a base station 1 for simulatngly generating a base station signal, a phase-shifter 2 for changing the phase of the base station signal, a transmission gain controller 3 for changing the amplitude of the base station signal, a control information storage 5 for storing time variation information of the phase and amplitude of a radio signal which is received or pre-calculated at a radio terminal, and a controller 4 for controlling the phase-shifter 2 and the transmission gain controller 3 based on the time variation information of the phase and the amplitude stored in the control information storage 5. The controller 4 creates a fading state, which is similar to an actual radio environment, at the output terminal of a transmission gain controller by controlling phase and amplitude of the base station signal based on the time variation information of the phase and amplitude stored in the control information storage.

Figure 1