

**RADIO LOOP-BACK TEST METHOD HAVING IMPROVED
RELIABILITY AND A SYSTEM USING THE TEST METHOD**

ABSTRACT

In a radio loop-back test system for a radio apparatus in which a transmitter (15) transmits a first radio signal in response to a transmission signal and which a receiver (16) receives a second radio signal to produce a reception signal, a comparing portion (22) compares the reception signal with the transmission signal to produce a comparison result signal. An interference detection portion (23) detects whether or not the reception signal has an interference component unrelated with the first radio signal. The interference detection portion produces an interference detection signal when the reception signal has the interference component. The comparison result signal is controlled by an output control portion (24) in accordance with presence and absence of the interference detection signal.

Fig. 2