

ABSTRACT

The present invention provides a load impedance defect detection
5 system for use in a CDMA base station transmitter including a base band signal
generation unit (101) and a reflected signal monitor (106) for detecting a
reflected signal. A CPICH power detector (111) detects a CPICH power from
the reflected signal obtained from the reflected signal monitor. A return-loss
determination unit (112) determines a return-loss based on a difference
10 between a CPICH power value detected by the CPICH power detector and a
CPICH transmission power set value (113) provided by the base band signal
generation unit, and determines that there is a load impedance defect when the
return-loss exceeds a predetermined threshold value.