SYSTEM FOR DETERMINING CONDUCTED RADIO FREQUENCY (RF) RECEIVER SENSITIVITY AND RELATED METHODS

Abstract of the Disclosure

A test method for determining conducted radio frequency (RF) receiver sensitivity using an RF source coupled to an RF receiver by an RF cable may include determining a bit error rate (BER) versus traffic channel (TCH) power level function for an initial channel, determining an estimated TCH power level for a subsequent channel based upon the function and the desired BER, and measuring a BER of the subsequent channel based upon the estimated TCH power level. The measured BER may be compared to the desired BER, and a difference therebetween is used along with the function to determine a next estimated TCH power level. Measuring and comparing may be repeated if the difference may be greater than a threshold to thereby determine a TCH power level in the subsequent channel corresponding to the desired BER.

FIG. 1