

Abstract

**METHOD AND APPARATUS FOR REDUCING
THE PEAK-TO-AVERAGE POWER
IN MULTI-CARRIER RF COMMUNICATION SYSTEMS**

Apparatus for controlling a system including a linear amplifier (109) processing a plurality of carrier signals (111-114) of a multi channel carrier system alters the phases (by 131-134) of one or more sources of the multi-channel signals in response to a detected peak envelope power (in 153) or of a peak to average power (in 152) ratio at regular scheduled intervals. This reduces the peak envelope power to average envelope power ratio and enables the reduction in the power rating required by the amplifiers handling the multi-channel signal.

This Sheet Has Been Replaced

