

GAIN CONTROL OF RECEIVER BASED ON STATE OF COVERAGE AREA

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Abstract of the Disclosure

Disclosed herein is a method and apparatus for controlling gain in
10 selective call receivers operating within a selective call communication
system having a coverage area with different intermodulation (IM) noise
levels across time and space. Within a selective call receiver (1), a
processor (5) determines two settings and a threshold level for automatic
gain control (AGC) of a radiofrequency (rf) amplifier (6) when amplifying
15 paging signals received by a receiver (2). The two settings and the
threshold level are determined in response to a state of the coverage area.
The state can be time or region and is determined, detected or manually
selected. A memory (4) is used for storing a plurality of settings to provide
the two settings and the threshold level. Alternatively, the two settings and
20 the threshold level are provided by a setting signal received by the receiver
(2).

FIG. 1 accompanies this abstract.

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