

ABSTRACT OF THE DISCLOSURE

In a radiotelephone base station receiver having components which cause degradation of a received radio signal, an apparatus for producing a correctly compensated radio signal strength information (RSSI) signal from the degraded received radio signal has an analog radio frequency unit and a digital control unit. The analog radio frequency unit receives the degraded received radio signal and generates a degraded RSSI signal, and includes an analog circuit and addressable memory. The addressable memory has compensated RSSI signal values stored at addresses, and the compensated RSSI signal values correspond to possible degraded RSSI signal values. The addresses are generated from the degraded RSSI signal, which may serve directly as the addresses. The digital control unit is coupled to the analog radio frequency unit, and receives the degraded RSSI signal and generates compensated RSSI signal values based on those in the addressable memory.

