



ABSTRACT

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Antenna for transceiver devices or the like

In an antenna for transceiver devices or the like, in
5 order to eliminate the presence of separate modulators and
demodulators and the associated circuits, according to the
invention a detector/mixer diode (6) is associated with the
radiating antenna structure (1), so as to form a single
device which is alternately able to receive a modulated
10 carrier wave and demodulate from the said wave the
modulation signals received as well as modulate, with local
modulation signals, a carrier wave, reflecting it for
example back to the emitting source. The modulation signals
received and the local modulation signals transmitted are
15 respectively detected and supplied to the radiating
structure (1) at a point (P) of the said structure, where
the electric field of the carrier wave is equal to zero. The
point of insertion (I) of the detector/mixer diode (6) in
the radiating structure (1) is determined so as to obtain
20 optimum matching between the impedance of the radiating
structure (1) at the insertion point (I) and of the
detector/mixer diode (6), during reception and transmission.