

ABSTRACT

The invention relates to a method for receiving a radiofrequency (RF) signal that is not spectrally spread and transmitted by frames, each frame comprising one or more reference sequences (202) and sequences of useful symbols (203). The method comprises:

- a first step (301) of receiving a frame of the RF signal, then, for at least one sequence of useful symbols,
- a second step (302) of estimating an impulse response of the propagation channel associated with the sequence of useful symbols (504), using the reference sequences,
- a third step (303) of extracting (605), from the delays and amplitudes of the K strongest paths, said impulse response,
- when K is greater than 1, a fourth step (304) of processing the sequence of useful symbols by a Rake receiver with K paths (505) by using the delays and amplitudes calculated in the third step (303).

The invention relates also to a receiver configured to implement the steps of the method.

Figure for the abstract: Fig. 3