

ABSTRACT

Method for improving the HF band link establishment using a broadband capability

The invention relates to a method for improving the HF band link establishment in a communication system including one or more transmit terminals (1, 40) and one or more receive terminals (2, 41), at least one of the terminals having a broadband capability, comprising the following steps:

- creating call bands and listening bands according to the broadband transmit and/or receive capabilities, the minimum number of bands being suitable for covering the entire frequency plan,
- minimising the number of bands and then maximising the number of frequencies in each of these bands of size B ,
- distributing the bands B_i in time by arranging the bands in descending cardinal-value order, and allocating a frequency f_j to each band B_i .
- transmitting/receiving in broadband mode, by checking that the selected transmit frequencies are not already in use.

Figure 3 to be published