

A method for optimising the signal of broadband radio systems using Walsh codes, according to which the required number of codes is obtained from the lower rows of the proposed matrix, which is formed in stages. At the first stage, we use the known Adamar matrix for Walsh codes of a given length and divide it, starting from the top rows, into four equal parts. At the second stage, the first two codes from the beginning of the third quarter are selected and placed before the beginning of the second quarter. At the third stage, the first two codes from the beginning of the fourth quarter are selected and placed at the end of the second quarter. The received codes are used to form the signal of broadband wireless systems.