

The invention relates to means of radio-communication and radio-location where information transfer is performed by means of radio-signals under conditions of presence of noise. Method for suppression of white noise in additive mix with completely known pulse signal is in fact that for suppression of white noise with simultaneous collection of signal one uses linear filters agreed with signal. Agreed filters provide at output of those maximal possible ratio of signal to noise, through at that differences of time structures of signal and noise are not removed. Difference of time structures of signal and noise can be used for additional suppression of noise in upward mix of agreed filter with preservation of peak value of signal achieved. Processing of output mix of signal of agreed filter for completely known signal component of additive mix has quasi-linear character with practically absent spectrum and power content of signal, and for noise component – non-linear. Consequence of such processing is in increase of spectrum of noise component of additive mix at practically not changed spectrum of signal, this gives possibility to suppress noise additionally through frequency filtration, with increase of ratio signal-noise. The invention provides additional possibilities of noise removal.