

The proposed method of air sounding consists in emitting pulse acoustic oscillations, receiving, at different space positions, the scattered signals resulting from the scattering of the emitted pulse acoustic oscillations in the atmosphere in the time intervals when the sounding signals are not present at the said space positions, measuring the scattered signals so received, and then calculating the atmosphere parameters using the parameters of the scattered signals. The proposed method allows the accuracy of air sounding to be improved and the sounding distance to be increased.