

The invention relates to area of radar location and can be used in surface sequence radars with non-sinusoidal pulse sounding signal as nano-second videopulses of field of radio-waves without carrier frequency for measurement of angle of elevation of airborne target in sector of small angles of elevation over earth by means of single receiving-emitting antenna. The method is in emitting sounding signal as video-pulse of radio-waves with nano-second duration field without carrier frequency and receiving echo-signals of airborne target.