

The proposed method for calibrating a remotely operated velocity meter, which contains a transmit-receive antenna and a microwave receiver for a millimeter and submillimeter wavelength range, consists in using the simulator of a moving object. The simulator is designed as a drum, with the metal corrugated surface, that rotates with a constant rotational frequency. The sounding signal emitted by the antenna of the velocity meter is reflected from the drum surface and, as a result, test signals with Doppler frequency shift relative to the sounding signal are generated. These signals propagate at various angles to the drum surface, are reflected by a metallic screen, and after reflection, are received by the antenna of the velocity meter.