

We designed a custom made manikin head for acoustical studies of spatial hearing. Its shape and dimensions mostly follow the telecommunication norms for headset testing. The differences from the norms are given by its purpose in simulations of acoustic environments outside and inside head. These simulations will be used for studies of normal and impaired binaural hearing. The head is manufactured from a composite material (artificial wood). The cavities inside are fitted with microphones and loudspeaker and enable measurements of sound propagation inside and outside of the head. We discuss a manufacturing procedure in detail together with step-by-step production instructions.