

1. Record Nr.	UNINA9910172019103321
Titolo	IEEE standard for translating head and torso simulator measurements from eardrum to other acoustic reference points
Pubbl/distr/stampa	New York : , : IEEE, , 2016
ISBN	1-5044-2436-0
Descrizione fisica	1 online resource (35 pages)
Disciplina	621.380412
Soggetti	Electro-acoustics Digital computer simulation - Standards Electronic data processing - Standards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	The data and rationale for translating head and torso simulator measurements from eardrum to other acoustic reference points such as free field and diffuse field are provided in this standard. Scope: This standard provides the data, techniques, and rationale for translating head and torso simulator measurements from the eardrum to other acoustic reference points, such as the free field and the diffuse field. It applies primarily to measurements of devices that contact the ear, such as headsets and handsets. It can also be used for devices that do not contact the ear, such as speakerphones and wearable devices. It is applicable to communication and multimedia audio devices over the frequency range of 20 Hz to 20 kHz Purpose: Common acoustic reference points are needed for comparing electroacoustic performance of handsets, headsets, speakerphones and other kinds of communication devices. It is also needed for comparing communication devices with other devices such as loudspeakers, multimedia terminals and consumer audio equipment. The free field and diffuse field are appropriate reference points because the results relate closely to what we hear. For measurements on communication devices, the free field or diffuse field are more widely applicable reference points than the legacy ear reference point (ERP).

