

Echo Assessment in Narrowband and Wideband Scenarios

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Echo disturbances are typically characterized by the two parameters echo attenuation and echo delay (round trip delay). Both values are verified individually with reference to common standards in telecommunications. A new approach to quantify echo disturbances was introduced during the last NAG/DAGA 2009. It is based on a hearing adequate echo analysis and considers the masking by the user's own voice. Furthermore it is applicable for narrowband and wideband scenarios, which makes it suitable for upcoming telecommunication networks and the new generation of terminals. Results of subjective tests, both talking and listening tests and listening only tests as well as latest modifications on the echo assessment model are discussed.

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