

Improvement of Articulation of Broadcast Announcements at Station Concourses

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Information announcements are made at station concourses. But it may be difficult to listen to the announcements clearly because of noises and reflected sounds at large stations. So we made subjective tests at both real stations and a life size station model in order to make it easy for passengers to listen to the broadcast announcements at stations. As the results of subjective tests at stations, it was found that the sound level of announcements had a significant impact as compared to the acoustic reverberation. Additionally, from the experimental study on articulation of announcements with varying sound levels of noise and installation positions of speakers at the station model, we indicated a method of improving articulation of broadcast announcements at station concourses.