

지면종류에 따른 지표면 감쇠효과에 대한 실험적 연구
Experimental study on the ground attenuation effect
by a kind of ground

김동준 · 정태량 · 김봉석 · 전형준 · 장서일(서울시립대)
Dong Jun Kim, Tae Ryang Jung, Bong Suk Kim, Hyung Jun Chun, Seo il Chang

Key Words : Attenuation(감쇠), Frequency Analysis(주파수 분석), Pink Noise(분홍색 잡음),
White Noise(백색 잡음)

Abstract : Propagation of sound varies with ground condition. In this study, attenuation of grounds that consist concrete and grass were measured using a nondirectional speaker which generates pink or white noise. This results were compared to the theoretical results that using the ground attenuation equation of ISO 9613-2. From this, It was shown that it has a large difference of two ground conditions at closer positions from the ground and high frequencies.