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Ground reflection modelling in millimeter wave channels

Abstract - A typical deployment scenario in the millimeter-wave is that antennas at base stations (BSs) are elevated while user terminals (UTs) are placed in urban environment, e.g. on street level height. In this case, the ground reflection can produce a strong propagation path that superimposes with the direct path and induces severe fading effects. In this TD, the modelling of ground reflection in milllimeter-wave will be presented.

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