

Simulation of Channel Models for Device-to-Device Application of 5G Urban Microcell Scenario

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Abstract : Next generation wireless transmission technology (5G) is expected to support the development of channel models for higher frequency bands, so clarification of high frequency bands is the most important issue in radio propagation research for 5G, multiple urban microcellular measurements have been carried out at 60 GHz. In this paper, the collected data is uniformly analyzed with focus on the path loss (PL), the objective is to compare simulation results of some studied channel models with the purpose of testing the performance of each one.

Keywords : 5G, channel model, 60GHz channel, millimeter-wave, urban microcell

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