Radio Propagation Characteristics in the Large City

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***Abstract*—This paper describes various radio propagation characteristics in the large city such as Seoul in Republic of Korea and talks on the closed form of a received interfering signal intensity to a victim system for the coexistence with two different systems. Actually, it is difficult to how to choose the optimum radio propagation model for predicting on the interference impact because of various environment conditions or system limits, even if the theoretic radio propagation models are known for various services. Specially, it is not known for the available median path loss model in order to calculate the interfering signal intensity to a victim system between the fixed communication link and mobile communication system for none line of site environment. Therefore, we measured the radio propagation characteristics in the large city and discussed with the adequate median path loss and shadowing characteristics in this paper**

***Keyword*— radio, propagation, path loss, measurement, FM**

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