



GAUSSIAN CHANNEL MODEL FOR MACROCELLULAR MOBILE PROPAGATION (MonAmOR6)

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★ Abstract :

A model of an angle-spread source is described, termed the 'Gaussian Channel Model' (GCM). This model is used to represent signals transmitted between a User Equipment and a cellular Base Station. The model assumes a Gaussian law of scatterer occurrence probability, depending upon the scatterer distance from the user. Analysis is presented to demonstrate that this model produces a better fit to measured data than some other widely-used scattering models in the literature.