

Thesis Title	The computation of cell coverage regions for PCT (Personal Communication Telephone) wireless communication system
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ABSTRACT

The computation of cell coverage regions for PCT (Personal Communication Telephone) wireless communication system should be careful in the various problems such as, to decrease the occurring hole or overlap, which is minimized cell and may will have the co-channel interference.

This thesis presents a design procedures of cell site for PCT in the 1,900 MHz frequency band by using computer program. The parameters of program are the transmitter and receiver, power of cell, the traffic communication, the surrounding environment condition effects and etc., which are in the function of frequency. The comparison between computational and measured results is very relative high. Thus, it is verified that this designed program work properly and can apply to the other wireless communication systems.