

# Study of the enclosure influence on the system antennas for mobile applications

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## ABSTRACT

In the thesis, three T-type antennas (unbalanced T-type antenna, microstrip-fed T-type balanced antenna, and strip-fed T-type balanced antenna) are proposed. These three antennas were placed inside a metal enclosure, and then the enclosure influence on the antenna performance were studied. Both simulated and measured results obtained confirm their accuracy. In addition, the discussion for the results may provide many useful guide-lines for practical applications.

Keywords : T-type antenna、monopole antenna、balance-fed antenna

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