

Modelling of an helicopter platform for electromagnetic investigation of a satellite communication system

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Abstract

Satellite communication systems exhibits strict requirements especially in terms of e.g link budget, quality of the signal. Therefore a crucial aspect in designing such a communication system regards the knowledge of the electromagnetic field propagation when transmitting/receiving elements are placed near other structures. The main focus of the project described is to investigate the e.m. field perturbation when the radiating element is mounted outside the helicopter platform.

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