

## **B.6 The design and simulation of wire antennas using Ansoft's High Frequency Structure Simulation (HFSS) software**

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Wire antennas, required for specific defence applications, have been modelled using Ansoft's High Frequency Structure Simulation (HFSS), a new interactive software package based on the finite element method (FEM). The simulated electromagnetic response of these structures is presented and discussed. It is demonstrated that HFSS is a powerful software package that has widespread application in antenna design.