

Applying FEKO for Solving RCS on Large Scale Objects

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ABSTRACT

With the popularity of the wireless communication systems, there are many kinds of wireless signals existing in the space. The interference between signals has become the most severe problem for the wireless system designers. The interference not only affects the cover range and capacity of the wireless system, but also limits the system performance. In the extremely complex environment, the interference of the wireless communication systems cannot be avoided. Therefore, it is very important to make a study on how to suppress interference between different channels. In this thesis, we use electromagnetic software (FEKO) to study on antenna placement to lessen the interference between antennas to keep communication quality.

Keywords : Wireless ; Signal Interference ; Interference suppression ; Antenna placed ; FEKO

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