Abstract

Active integrated antennas (AIA)’s are increasingly found extensive purposes in both military and commercial applications such as spatial or quasi-optical power-combining array, phased array and wireless communications. The AIA consists of active devices such as Gunn diodes and planar antennas including microstrip patches. The active integrated antenna array is simulated by use of parallel FDTD algorithm to reduce the computational requirement. A 4-unit array with dual modes and dual frequencies is found.

Biography

Mr. Chan Ka Fai graduated in B.Eng.(Hon) Electronic Engineering at City University of Hong Kong in 1999. He is further studying in Doctor of Philosophy at the same university.