

Abstracts

Complete Evaluation of Conformational MW Effects on ACH Channels with Parallel Computing

L. Tarricone. "Complete Evaluation of Conformational MW Effects on ACH Channels with Parallel Computing." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 1093-1096.

We present here a parallel implementation and optimization of a Markov model simulating the Acetylcholine-receptor (ACh) channel response to 2.45 GHz fields. It overcomes the limitations of a previous implementation, allowing a complete understanding of the simulated phenomenon. The main experimentally observed effects of microwaves on ACh channels are theoretically explained, and an energetical mapping of ACh confirmational changes achieved.

[Return to main document.](#)