

SPACE COMMUNICATIONS AND NAVIGATION SYMPOSIUM (B2)
Advanced Technologies (2)

Author: Mrs. xueping zhu
DFH Satellite CO.,LTD, China, zhuxueping66361737@yahoo.cn

A METHOD OF HIGH PRECISION TIME SYNCHRONIZATION BETWEEN SATELLITE BASED
ON SPREAD SPECTRUM TT&C SYSTEM

Abstract

This paper presents a new way to meet high precision synchronization requirement between satellites based on spread spectrum TTC system. Time synchronization principle, work procession, detailed signal format are discussed in this paper. The method has been used on one in-orbit constellation.