

Mário Marques da Silva, Américo Correia, "Space Time Block Coding for 4 antennas with coding rate 1" – IEEE – International Symposium on Spread Spectrum Techniques and Application – ISSSTA (Prague – Check Republic), 2-5 September 2002;

Abstract: In this paper we propose a new space time transmit diversity (STTD) scheme for M ($M \geq 4$) transmit antennas and one receive antenna. The new diversity scheme belongs to the open loop class and consists of an extension to the work presented in [1,2,3]. The coding rate of the new scheme is one and in spite of the presence of inter-symbol interference it achieves, at least, the full diversity after applying a multi-dimensional orthonormal rotation to the original constellation. Each sequence with an integer multiple of M received

Published in:

[Spread Spectrum Techniques and Applications, 2002 IEEE Seventh International Symposium on](#) (Volume:2)

Date of Conference:

2-5 Sept. 2002

Page(s):

318 - 322 vol.2

Print ISBN:

0-7803-7627-7

INSPEC Accession Number:

7626291