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Document for: Discussion

Introduction

In TSG-R1 meeting High Speed Down Link Packet Access (HSDPA) studies have been presented. This contribution presents the necessary of signalling information from UTRAN to UE. The purpose of the signalling is to enable UE to employ Fast Cell Site Selection (FCSS).

Discussion

FCSS has been proposed for HSDPA [1-2].
During the FCSS UE measures downlink Pilot Strength of plural NodeBs and report to NodeBs which cell UE selected, and the selected cell shall transmits DSCH to UE.

But when power offset between CPICH and DSCH is set individually cell by cell, UE can not select the best cell for DSCH.

We propose to add signalling information about DSCH's relative power ratio to CPICH. Using the relative power ratio information, UE can select the best cell for DSCH.

We inform the necessity of the signalling of CPICH and DSCH power ratio also from the view point of M-ary demodulation. [3]

Conclusion

We proposed the signalling of CPICH and DSCH power ratio from UTRAN to UE.
Using the power ratio, UE can select the best cell for DSCH.
We propose WG1 would send the liaison statement to WG2.

References

- [1] R1-00-0727, " High Speed Downlink Packet Access" , Tokyo , Japan, May 22-25,2000
- [2] R1-00-1093, "Link Evaluation Methods for High Speed Downlink Packet Access (HSDPA)" Berlin, Germany , August 21-24, 2000
- [3] R1-00-1184, " Signalling of CPICH and DSCH power ratio for M-ary demodulation", Pusan , Korea, October 10-13 , 2000