
To: TSG-R WG4, TSG-T WG1
Source: TSG-R WG1
Title: Liaison statement to TSG-R WG4 and TSG-T WG1 concerning the changes made to Tx diversity concept in the TSG-R WG1 meeting #7

In TSG-R WG1 meeting #7 several details of the Tx diversity solution were finalized for release-99 [1]. For FDD, the following decisions were made:

- Number of closed loop modes were reduced to 2
- All the closed loop modes will use only 1 bit feedback. Two bit feedback is reserved for simultaneous use of closed loop modes and SSDT power control
- Orthogonal pilot pattern on dedicated channel transmitted from diversity antenna is always used in closed loop mode 1
- In closed loop mode 2 no orthogonal pilot pattern is used
- Open loop Tx diversity (STTD encoding) can be applied on PICH

Correspondingly, for TDD the following decision was made:

- Use of TSTD on SCH accepted as a working assumption

TSG-R WG1 urges TSG-R WG4 and TSG-T WG1 to check if these decisions have got any implications to the relevant TSG-R WG4 and TSG-T WG1 specifications.

REFERENCES

- [1] TSG-R1. Ad Hoc #6 report to RAN WG1 meeting #7. TSG-R WG1 document, TSGR1#7(99)b12, 30th, August-3rd, September, 1999, Hannover, Germany, 7 pp.