

Las Vegas, U.S.A, February 27th – March 2nd 2001

Agenda Item: AH21
Source: CWTS/CATT
To: TSG RAN WG1
Title: Uplink Out of Synchronization control and the power of S-CCPCH/PICH in 1.28Mcps
Document for: Discussion and Approval

1. Summary

In the WG1#18 meeting, these two issues have been discussed and decided to be worked out for WG1#19.

For the UL section on out-of-synchronization handling, since the Node B should not be mandated to set the TPC commands, while considering this issue and corresponding out of Synchronization State /criteria, the same mechanism on out of sync handing adopted in 3.84Mcps can be applied in 1.28Mcps. That means when UE detects that it fulfills the out of sync state and in addition no special burst is detected with quality above a threshold, the UE shall shut off the transmission. The UE shall subsequently resume the uplink transmission if the in Sync state fulfills.

The section on ‘The power of the S-CCPCH/PICH’ can be aligned with 3.84 Mcps TDD. Based on the understanding from high layer, the power setting described on physical channel basis for 3.84Mcps TDD is also suitable for 1.28Mcps TDD, since that the higher layers are able to set the TxPower of the different S-CCPCHs independently from each other. The power on the S-CCPCH then can be stated as follows: The relative transmit power of the Secondary CCPCH and PICH compared to the P-CCPCH transmit power are set by higher layer signaling.

2. Proposal

It's proposed to discuss and include the following text proposal into the clause 5.1.1.4.1 Out of synchronization handling and 5.1.2.3 S-CCPCH of working CR of TS25.224.

----- Changes to working CR of 25.224 begin -----

5.1.1.4.1 Out of synchronization handling

Same as that of 3.84Mcps TDD, cf.[4.2.2.3.3 Out of synchronization handling].

5.1.2.1 P-CCPCH, ~~PICH~~

Same as that of 3.84Mcps TDD, cf.[4.2.3.1 P-CCPCH].

5.1.2.3 S-CCPCH, PICH

Same as that of 3.84Mcps TDD, cf.[4.2.3.2 S-CCPCH, PICH].

----- Changes to working CR of 25.224end -----