3GPP TSG-RAN WG1 Meeting #19
Las Vegas, NV, USA, 27 February – 2 March 2001

Tdoc R1-01-0360

CR-Form-v3

CHANGE REQUEST

✎	**25.214** CR **162**	✎ rev **-** ✎	Current version: **3.5.0** ✎

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ✎ symbols.*

Proposed change affects: ✎   (U)SIM ☐   ME/UE ☐   Radio Access Network **X**   Core Network ☐

Title: ✎	Power offset for the DPCCH pilot field
Source: ✎	Nokia
Work item code: ✎		**Date:** ✎ 26.02.2001
Category: ✎ **F**		**Release:** ✎ R99

Use *one* of the following categories:
F (essential correction)
A (corresponds to a correction in an earlier release)
B (Addition of feature),
C (Functional modification of feature)
D (Editorial modification)
Detailed explanations of the above categories can be found in 3GPP TR 21.900.

Use *one* of the following releases:
2   (GSM Phase 2)
R96   (Release 1996)
R97   (Release 1997)
R98   (Release 1998)
R99   (Release 1999)
REL-4   (Release 4)
REL-5   (Release 5)

Reason for change: ✎	Higher layer signalling allows DPCCH pilot field power offset to be different for each RL. There has not been clear reason from physical layer viewpoint thus for simpler receiver implemention the offset should be the same for all RLs.
Summary of change: ✎	Restriction is defined that PO3 shall be the same for all radio links received by the UE.
Consequences if not approved: ✎	The UE implementation will be more complicated or due uncertainty of the interpretation of the specification for UE, different UEs would behave differently in case pilot offsets would be used.

Clauses affected: ✎	5.2.1.1
Other specs affected: ✎	☐ Other core specifications ✎
	☐ Test specifications
	☐ O&M Specifications
Other comments: ✎	

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.htm. Below is a brief summary:

1) Fill out the above form. The symbols above marked ✎ contain pop-up help information about the field that they are closest to.

2) Obtain the latest version for the release of the specification to which the change is proposed. Use the MS Word "revision marks" feature (also known as "track changes") when making the changes. All 3GPP specifications can be downloaded from the 3GPP server under ftp://www.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 TSG meetings.

3) With "track changes" disabled, paste the entire CR form (use CTRL-A to select it) into the specification just in front of the clause containing the first piece of changed text. Delete those parts of the specification which are not relevant to the change request.

5.2.1 DPCCH/DPDCH

5.2.1.1 General

The downlink transmit power control procedure controls simultaneously the power of a DPCCH and its corresponding DPDCHs. The power control loop adjusts the power of the DPCCH and DPDCHs with the same amount, i.e. the relative power difference between the DPCCH and DPDCHs is not changed.

The relative transmit power offset between DPCCH fields and DPDCHs is determined by the network The TFCI, TPC and pilot fields of the DPCCH are offset relative to the DPDCHs power by PO1, PO2 and PO3 dB respectively. The power offsets may vary in time. The method for controlling the power offsets within UTRAN is specified in [6]. The power offset for the DPCCH pilot field (PO3) is given to the UE by higher layer signalling. The UTRAN shall use the same value for PO3 for all the radio links received by the UE.

The power of CCC field in DL DPCCH for CPCH is the same as the power of the pilot field.