TSG-RAN Meeting #22 **RP-030651**
Maui, Hawaii, USA, 9 - 12 December 2003

Title: **Independent Release 5 CRs to TS 25.225**

Source: **TSG-RAN WG1**

Agenda item: **7.2.5**

TS 25.225 **(RP-030651)**

RP tdoc#	WG tdoc#	Spec	CR	R	Subject	Ph	Cat	Current	New	WI	Remarks
RP-030651	R1-031140	25.225	071	4	Definition of Transmitted Code Power and ISCP measurements in the case of antenna diversity for TDD	Rel-5	F	5.5.0	5.6.0	TEI5	

3GPP TSG-RAN1 Meeting #34
Seoul, Korea, 6-10 October 2003

Tdoc ⌘R1-031140

CR-Form-v7

CHANGE REQUEST

⌘ **25.225** **CR** **071** ⌘ **rev** **4** ⌘ Current version: **5.5.0** ⌘

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

Proposed change affects: UICC apps⌘ [-] ME [-] Radio Access Network [X] Core Network [-]

Title:	⌘	Definition of Transmitted Code Power and ISCP measurements in the case of antenna diversity for TDD
Source:	⌘	TSG RAN WG1
Work item code:	⌘	TEI5
Date:	⌘	09/10/2003
Category:	⌘	**F**
Release:	⌘	Rel-5

Use one of the following categories:
F *(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)
Rel-6 (Release 6)

Reason for change:	⌘	The method for reporting transmitted code power in the case of TX antenna diversity, and ISCP in the case of receive antenna diversity is not currently specified.
Summary of change:	⌘	For each measurement, an appropriate method for reporting the measurement in the case of antenna diversity has been added
Consequences if not approved:	⌘	Uncertainty as to the manner in which the measurements have been reported by the node B in the case of antenna diversity. This may affect the performance of certain RRM algorithms/implementations.

Clauses affected:	⌘	5.2.1, 5.2.7

	Y	N		
Other specs affected: ⌘		X	Other core specifications	⌘
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘

Isolated impact analysis:
This CR affects only the reporting of Node-B measurements in the case of Rx diversity at Node-B. It does not affect implementations operating as specified in this CR. For the case of no Rx diversity, backwards and forwards compatibility are not affected by this CR.

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at http://www.3gpp.org/specs/CR.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://ftp.3gpp.org/specs/ For the latest version, look for the directory name with the latest date e.g. 2001-03 contains the specifications resulting from the March 2001 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.

5.2.2 Timeslot ISCP

Definition	Interference Signal Code Power, the interference on the received signal in a specified timeslot measured on the midamble. The reference point for the ISCP shall be the Rx antenna connector. In the case of RX antenna diversity, the average of the linear values [W] of the ISCP values measured for each antenna branch shall be reported.

5.2.7 Transmitted code power

Definition	Transmitted Code Power, is the transmitted power on one carrier and one channelisation code in one timeslot. The reference point for the transmitted code power measurement shall be the Tx antenna connector. In the case of Tx diversity the transmitted code power for each branch shall be measured and the linear sum of the values shall be reported to higher layers, i.e. only one value will be reported to higher layers.