Athens, Greece, 8 - 10 December 2004

Title CR (Rel-6 Category B) to TS25.215 for Introduction of 'DL Transmission Branch

Load' measurement

Source TSG RAN WG1

Agenda Item 8.9

RAN1 Tdoc	Spec	CR	Rev	Phase	Cat	Current Version	Subject	Work item	Remarks
R1-041494	25.215	147	3	Rel-6	В	6.0.0	Introduction of 'DL Transmission Branch Load' measurement	TEI-6	Linked CRs not yet available

3GPP TSG-RAN WG1 Meeting #39 Shin Yokohama, Japan, 15-19 November 2004

Shin Yokonama, Japan, 15-19 November 2004				
	CHANGE	REQUE	ST	CR-Form-v7.1
* 25	5.215 CR 147	жrev 3	第 Current version	6.0.0 [%]
For HELP on using Proposed change affect	this form, see bottom of this			over the
Troposed change affec	ль. Отоб аррэж	WL Na	alo Access Networ	Core Network
Title: 第 Inti	roduction of 'DL Transmission	on Branch Loa	ad' measurement	
Source: # RA	AN WG1			
 Work item code: ₩ TE	:16		<i>Date:</i> ∺	16/11/2004
Deta	e one of the following categories F (correction) A (corresponds to a correction release) B (addition of feature), C (functional modification of D (editorial modification) ailed explanations of the above ound in 3GPP TR 21.900.	on in an earlier feature)	Use <u>one</u> of 1 Ph2 R96 R97 R98 R99 Rel-4 Rel-5 Rel-6	Rel-6 the following releases: (GSM Phase 2) (Release 1996) (Release 1997) (Release 1998) (Release 1999) (Release 4) (Release 5) (Release 6) (Release 7)
Reason for change: #	RNC some internal power transmission branch. In ca (e.g. EVM increase due to suboptimal call and conge This effect ONLY occurs in	r limitations (e ase of Tx dive o signal complestion control if TX diversity	.g. power amplifier rsity this can lead to ression) and poten algorithms). is used.) with respect to each to signal degradation tially call drops (e.g.
Summary of change: ₩	Introduction of a new UTF branch loads calculated for			maximum of the
Consequences if # not approved:	Internal transmission Nod reported and may lead to call control operations.			
Clauses affected: 第	2, 5.2.x (new)			
	Y N Other core specifica	ations	TS 25.302 (RAN2 TS 25.423, TS 25 TS 25.133 (RAN4	.433 (RAN3),
affected:	X Test specifications X O&M Specifications	6		

For the section 5.2.x it is suggested to take 5.2.16.

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 \$\mathbb{X}\$ 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.

TEXT OMITTED

5.2 UTRAN measurement abilities

The structure of the table defining a UTRAN measurement quantity is shown below.

Column field	Comment
Definition	Contains the definition of the measurement.

The term "antenna connector" used in this sub-clause to define the reference point for the UTRAN measurements refers to the "BS antenna connector" test port A and test port B as described in [19]. The term "antenna connector" refers to Rx or Tx antenna connector as described in the respective measurement definitions.

TEXT OMITTED

5.2.15 Transmitted carrier power of all codes not used for HS-PDSCH or HS-SCCH transmission

Definition	Transmitted carrier power of all codes not used for HS-PDSCH or HS-SCCH transmission is the
	ratio between the total transmitted power of all codes not used for HS-PDSCH or HS-SCCH
	transmission on one DL carrier from one UTRAN access point, and the maximum transmission
	power possible to use on that DL carrier at this moment of time. Total transmission power of all
	codes not used for HS-PDSCH or HS-SCCH transmission is the mean power [W] of all codes not
	used for HS-PDSCH or HS-SCCH transmission on one carrier from one UTRAN access point.
	Maximum transmission power is the mean power [W] on one carrier from one UTRAN access
	point when transmitting at the configured maximum power for the cell. The measurement shall be
	possible on any carrier transmitted from the UTRAN access point. The reference point for the
	transmitted carrier power measurement of all codes not used for HS-PDSCH or HS-SCCH
	transmission shall be the Tx antenna connector. In case of Tx diversity the transmitted carrier
	power of all codes not used for HS-PDSCH or HS-SCCH transmission is the ratio between the
	sum of the total transmitted powers of all codes not used for HS-PDSCH or HS-SCCH
	transmission of all branches and the maximum transmission power. When cell portions are
	defined in the cell, the transmitted carrier power of all codes not used for HS-PDSCH or HS-
	SCCH transmission for each cell portion shall be measured and reported to higher layers.

5.2.x DL Transmission Branch Load

Definition	The 'DL transmission branch load' is the maximum of the transmission branch loads calculated
	for each branch.
	A 'transmission branch load' is the ratio between the total transmitted power [W] on the
	considered branch and the 'maximum DL branch capability' on this branch.
	The 'maximum DL branch capability' defines the maximum transmission power possible to use
	on that branch.
	The reference point for the transmission branch load measurement shall be the TX antenna
	connector.

TEXT OMITTED