TSG RAN Meeting #18 **RP-020897**
New Orleans, US, 3rd - 6th of December, 2002

Title **CRs (Rel-5) for HSDPA TX diversity"**
Source **Nokia**
Agenda Item **7.1.2**

Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
25.211	175	-	F	Rel-5	5.2.0	HSDPA Tx diversity of closed loop transmit diversity mode 2 use with HS-PDSCH/HS-SCCH	HSDPA-Physical Layer

3GPP TSG-RAN Meeting #18 ***Tdoc ⌘RP-02-0897***
New Orleans, US, 3rd-6th of Decemeber, 2002

CR-Form-v7

CHANGE REQUEST

⌘ **25.211** **CR** **175** ⌘**rev** **-** ⌘ Current version: **5.2.0** ⌘

*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 ☒ Core Network ☐

Title:	⌘	HSDPA Tx diversity of closed loop transmit diversity mode 2 use with HS-PDSCH/HS-SCCH
Source:	⌘	Nokia
Work item code:	⌘	HSDPA-Phys
Date:	⌘	05/10/2002
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:	⌘	Currently, the use of closed loop transmit diversity mode 2 for HS-PDSCH and HS-SCCH is for further study in release 5.
Summary of change:	⌘	Table 10 of 25.211 (5.2.0) is updated indicating that TxAA mode 2 is not applicable with HSDPA channels.
Consequences if not approved:	⌘	Tx diversity support for HS-PDSCH/HS-SCCH is not completely defined in Rel'5.

Clauses affected:	⌘				
Other specs affected:	⌘	Y	N		⌘
			X	Other core specifications	
			X	Test specifications	
			X	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/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

>>>>>>>>>>>>>>>>>>>>>>>>> Start of change >>

Table 10: Application of Tx diversity modes on downlink physical channel types
"X" – can be applied, "–" – not applied~~, "FFS" – for further study~~

~~Physical channel type~~	~~Open loop mode~~		~~Closed loop mode~~	
	~~TSTD~~	~~STTD~~	~~Mode 1~~	~~Mode 2~~
~~P-CCPCH~~	~~–~~	~~X~~	~~–~~	~~–~~
~~SCH~~	~~X~~	~~–~~	~~–~~	~~–~~
~~S-CCPCH~~	~~–~~	~~X~~	~~–~~	~~–~~
~~DPCH~~	~~–~~	~~X~~	~~X~~	~~X~~
~~PICH~~	~~–~~	~~X~~	~~–~~	~~–~~
~~PDSCH~~	~~–~~	~~X~~	~~X~~	~~X~~
~~HS-PDSCH~~	~~–~~	~~X~~	~~X~~	~~FFS~~
~~HS-SCCH~~	~~–~~	~~X~~	~~X~~	~~FFS~~
~~AICH~~	~~–~~	~~X~~	~~–~~	~~–~~
~~CSICH~~	~~–~~	~~X~~	~~–~~	~~–~~
~~AP-AICH~~	~~–~~	~~X~~	~~–~~	~~–~~
~~CD/CA-ICH~~	~~–~~	~~X~~	~~–~~	~~–~~
~~DL-DPCCH for CPCH~~	~~–~~	~~X~~	~~X~~	~~X~~

Physical channel type	**Open loop mode**		**Closed loop mode**	
	TSTD	**STTD**	**Mode 1**	**Mode 2**
P-CCPCH	–	X	–	–
SCH	X	–	–	–
S-CCPCH	–	X	–	–
DPCH	–	X	X	X
PICH	–	X	–	–
PDSCH	–	X	X	X
HS-PDSCH	–	X	X	–
HS-SCCH	–	X	X	–
AICH	–	X	–	–
CSICH	–	X	–	–
AP-AICH	–	X	–	–
CD/CA-ICH	–	X	–	–
DL-DPCCH for CPCH	–	X	X	X

>>>>>>>>>>>>>>>>>>>>>>>>> End of change >>