TSG RAN Meeting #16
Marco Island, FL, USA, 4 - 7 June 2002

RP-020292

Title	CRs (Rel-4 and Rel-5 Category A) to TS 25.106
Source	**TSG RAN WG4**
Agenda Item	**7.4.4**

RAN4 Tdoc	Spec	Curr Ver	New Ver	CR	R	Cat	Ph	Title	Acronym
R4-020673	25.106	4.1.0	4.2.0	5		F	Rel-4	Introduction of output intermodulation requirement	RInImp-REP
R4-020674	25.106	4.1.0	4.2.0	6		A	Rel-4	Introduction of output intermodulation requirement	RInImp-REP

CR-Form-v5.1

CHANGE REQUEST

| ⌘ | **25.106** CR **5** | ⌘ **rev** | **-** | ⌘ | Current version: | **4.1.0** | ⌘ |

*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: ⌘	**Introduction of output intermodulation requirement**	
Source: ⌘	RAN WG4	
Work item code: ⌘	RInImp-REP	***Date:*** ⌘ 17/5/2002

Category: ⌘ **F**	***Release:*** ⌘ Rel-4
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)*

Reason for change: ⌘	The requirement is missing in the specification
Summary of change: ⌘	Introduction of output intermodulation requirement in the specification.
Consequences if not approved: ⌘	Output intermodulation requirement will be missing. Output intermodulation may cause extra unwanted emission when co-siting equipment.

Clauses affected: ⌘	
Other specs affected: ⌘	☐ Other core specifications ⌘ **X** Test specifications TS25.143 ☐ O&M Specifications
Other comments: ⌘	Equivalent CRs in other Releases: CR6 cat. A to 25.106 v4.1.0

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.

12　　　Output intermodulation

The output intermodulation requirement is a measure of the ability of the repeater to inhibit the generation of intermodulation products signals created by the presence of an interfering signal reaching the repeater via the output port.

The output intermodulation level is the power of the intermodulation products when a WCDMA modulated interference signal is injected into the output port at a level of 30 dB lower than that of the wanted signal. The frequency of the interference signal shall be ±5 MHz, ±10 MHz and ±15 MHz offset from the wanted signal, but within the frequency band allocated for UTRA FDD downlink as specified in subclause 4.1.

The requirement is applicable for downlink signals.

12.1　　　Minimum requirement

The output intermodulation level shall not exceed the out of band emission or the spurious emission requirements of section 9.1 and 9.2.

<table>
<tr><td colspan="5" align="right">CR-Form-v5.1</td></tr>
<tr><td colspan="5" align="center"><h2>CHANGE REQUEST</h2></td></tr>
</table>

| ⌘ | **25.106 CR 6** | ⌘**rev** | **-** | ⌘ | Current version: | **4.1.0** | ⌘ |

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Source: ⌘	RAN WG4	
Work item code: ⌘	RInImp-REP	***Date:*** ⌘ 17/5/2002
Category: ⌘ **A**		***Release:*** ⌘ Rel-4

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