TSG RAN Meeting #18 **RP-020801**
New Orleans, US, 3 - 6 December, 2002

Title **CRs (Rel-5) to TS 25.105 & TS 25.142 on "Correction of ACL power definition"**
Source **TSG RAN WG4**
Agenda Item **7.4.5**

RAN4 Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-021647	25.105	134		F	Rel-5	5.2.0	Correction of adjacent channel leakage power definition	TEI5
R4-021648	25.142	150		F	Rel-5	5.2.0	Correction of adjacent channel leakage power definition	TEI5

3GPP TSG RAN WG4 (Radio) Meeting #25 **R4-021647**

Secaucus, NJ, USA 11 - 15 November, 2002

CR-Form-v7

CHANGE REQUEST

⌘ **25.105** **CR** **134** ⌘ **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:	⌘	Correction of adjacent channel leakage power definition
Source:	⌘	RAN WG4
Work item code:	⌘	TEI5
Date:	⌘	26/11/2002
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:	⌘	Adjacent channel leakage power definition is ambiguous in case that different systems are considered for the source and the victim systems (i.e 1,28 Mcps TDD option leaking on 3.84 Mcps TDD option).
Summary of change:	⌘	It is clarified that the measurement bandwidth and the adjacent channel offset are dependent of the considered scenarios and defined in the respective sections.
Consequences if not approved:	⌘	Specification will remain ambiguous and test might be incorrectly implemented.

Clauses affected:	⌘	6.6.2.2			
Other specs affected:	⌘	Y: ☐ N: ☒	Other core specifications	⌘	25.142 in CR150
		Y: ☒ N: ☐	Test specifications		
		Y: ☐ N: ☒	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.

6.6.2.2 Adjacent Channel Leakage power Ratio (ACLR)

Adjacent Channel Leakage power Ratio (ACLR) is the ratio of the RRC filtered mean power centered on the assigned channel frequency to the RRC filtered mean power centered on an adjacent channel frequency. The requirements shall apply for all configurations of BS (single carrier or multi-carrier), and for all operating modes foreseen by the manufacturer's specification.

In some cases the requirement is expressed as adjacent channel leakage power, which is the RRC filtered mean power for the given bandwidth of the victim system at the defined ~~on the~~ adjacent channel offset~~frequency~~.

The requirement depends on the deployment scenario. Three different deployment scenarios have been defined as given below.

3GPP TSG RAN WG4 (Radio) Meeting #25 **R4-021648**

Secaucus, NJ, USA 11 - 15 November, 2002

CR-Form-v7

CHANGE REQUEST

⌘ **25.142** **CR** **150** ⌘ **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:	⌘	Correction of adjacent channel leakage power definition
Source:	⌘	RAN WG4
Work item code:	⌘	TEI5
Date:	⌘	26/11/2002
Category:	⌘	**F**
Release:	⌘	Rel-5

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F *(correction)*
A *(corresponds to a correction in an earlier release)*
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Use one of the following releases:

2	*(GSM Phase 2)*
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R99	*(Release 1999)*
Rel-4	*(Release 4)*
Rel-5	*(Release 5)*
Rel-6	*(Release 6)*

Reason for change:	⌘	Adjacent channel leakage power definition is ambiguous in case that different systems are considered for the source and the victim systems (i.e 1,28 Mcps TDD option leaking on 3.84 Mcps TDD option).
Summary of change:	⌘	It is clarified that the measurement bandwidth and the adjacent channel offset are dependent of the considered scenarios and defined in the respective sections.
Consequences if not approved:	⌘	Specification will remain ambiguous and test might be incorrectly implemented.

Clauses affected:	⌘	6.6.2.2

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

Other comments: ⌘

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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.

6.6.2.2 Adjacent Channel Leakage power Ratio (ACLR)

6.6.2.2.1 Definition and applicability

Adjacent Channel Leakage power Ratio (ACLR) is the ratio of the RRC filtered mean power centered on the assigned channel frequency to the RRC filtered mean power centered on an adjacent channel frequency. The requirements shall apply for all configurations of BS (single carrier or multi-carrier), and for all operating modes foreseen by the manufacturer's specification.

In some cases the requirement is expressed as adjacent channel leakage power, which is t the RRC filtered mean power for the given bandwidth of the victim system at the defined ~~on the~~ adjacent channel offset~~frequency~~.

In this subclause, different requirements shall apply to Wide Area BS and Local Area BS.