TSG RAN Meeting #17
Biarritz, France, 3 - 6 September, 2002

RP-020478

Title	**CRs (Rel-4 and Rel-5 Category A) to TS 25.113**
Source	**TSG RAN WG4**
Agenda Item	**7.4.4**

RAN4 Tdoc	Spec	CR	R	Cat	Rel	Curr Ver	Title	Work Item
R4-021362	25.113	16	1	F	Rel-4	4.2.0	Correction to radiated spurious emission limits for 1,28 Mcps TDD option	LCRTDD-RF
R4-021363	25.113	17	1	A	Rel-5	5.1.0	Correction to radiated spurious emission limits for 1,28 Mcps TDD option	LCRTDD-RF

CR-Form-v7

CHANGE REQUEST

⌘	**25.113** CR **16**	⌘**rev** **1** ⌘	Current version:	**4.2.0** ⌘

*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 **X** Core Network ☐

Title: ⌘	Correction to radiated spurious emission limits for 1,28 Mcps TDD option	
Source: ⌘	RAN WG4	
Work item code:⌘	LCRTDD-RF	***Date:*** ⌘ 21/08/2002

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)
  Rel-6 (Release 6)

Reason for change: ⌘	The current radiated spurious emission limits exclude the frequency range 12,5MHz below the first and 12,5MHz above the last carrier used. The measurement for 1,28 MHz TDD option excludes the frequency range 4MHz below the first and 4MHz above the last carrier used. Thus, for the frequencies 4MHz to 12,5 MHz below the first and 4MHz to 12,5 MHz above the last carrier no radiated spurious emission limit exist for 1,28 Mcps TDD
Summary of change:⌘	The limit section is splitted in two sub-sections with the current limits for FDD and the 3,84 Mcps TDD option and a new subsection with the limits for the 1,28 Mcps TDD option.
Consequences if not approved: ⌘	A frequency range without a defined radiated spurious emisson limit will remain leading to a violation of international regulatory requirements.

Clauses affected: ⌘	A.1.3.1.3, A.1.3.1.3.1 (new), A.1.3.1.3.2 (new)

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

Other comments: ⌘	Equivalent CRs in other Releases: CR17r1 cat. A to 25.113 v5.1.0

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.

A.1.3.1.3 Limits

A.1.3.1.3.1 FDD and 3,84 Mcps TDD option

The BS or the Repeater shall meet the limits below:

Table 5: Limits for radiated emissions from BS and repeater

Frequency range	Minimum requirement (e.r.p.)/Reference Bandwidth
30 MHz≤ f <1000 MHz	-36 dBm/100 kHz
1 GHz≤ f <12,75 GHz	-30 dBm/ 1MHz
Fc1 – 12,5 MHz < f < Fc2+12,5 MHz	Not defined

Key:
Fc1:   Center frequency of first carrier frequency used by the BS.
Fc2:   Center frequency of last carrier frequency used by the BS.

A.1.3.1.3.2 1,28 Mcps TDD option

The BS shall meet the limits below:

Table 5.A: Limits for radiated emissions from BS

Frequency range	Minimum requirement (e.r.p.)/Reference Bandwidth
30 MHz≤ f <1000 MHz	-36 dBm/100 kHz
1 GHz≤ f <12,75 GHz	-30 dBm/ 1MHz
Fc1 – 4 MHz < f < Fc2+4 MHz	Not defined

Key:
Fc1:   Center frequency of first carrier frequency used by the BS.
Fc2:   Center frequency of last carrier frequency used by the BS.

CR-Form-v7

CHANGE REQUEST

| ⌘ | **25.113** CR **17** | ⌘ **rev** | **1** | ⌘ | Current version: | **5.1.0** | ⌘ |

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

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

Title: ⌘	Correction to radiated spurious emission limits for 1,28 Mcps TDD option	
Source: ⌘	RAN WG4	
Work item code: ⌘	LCRTDD-RF	***Date:*** ⌘ 21/08/2002

Category: ⌘ **A**	***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 current radiated spurious emission limits exclude the frequency range 12,5MHz below the first and 12,5MHz above the last carrier used. The measurement for 1,28 MHz TDD option excludes the frequency range 4MHz below the first and 4MHz above the last carrier used. Thus, for the frequencies 4MHz to 12,5 MHz below the first and 4MHz to 12,5 MHz above the last carrier no radiated spurious emission limit exist for 1,28 Mcps TDD
Summary of change: ⌘	The limit section is splitted in two sub-sections with the current limits for FDD and the 3,84 Mcps TDD option and a new subsection with the limits for the 1,28 Mcps TDD option.
Consequences if not approved: ⌘	A frequency range without a defined radiated spurious emisson limit will remain leading to a violation of international regulatory requirements.

Clauses affected: ⌘	8.1.3.1.3, 8.1.3.1.3.1 (new), 8.1.3.1.3.2 (new)

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

Other comments: ⌘	Equivalent CRs in other Releases: CR16r1 cat. F to 25.113 v4.2.0

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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.

8.3.1.3 Limits

8.3.1.3.1 FDD and 3,84 Mcps TDD option

The BS or the Repeater shall meet the limits below:

Table 5: Limits for radiated emissions from BS and repeater

Frequency range	Minimum requirement (e.r.p.)/Reference Bandwidth
30 MHz$\leq$ f <1000 MHz	-36 dBm/100 kHz
1 GHz$\leq$ f <12,75 GHz	-30 dBm/ 1MHz
Fc1 – 12,5 MHz < f < Fc2+12,5 MHz	Not defined

Key:

Fc1: Center frequency of first carrier frequency used by the BS.

Fc2: Center frequency of last carrier frequency used by the BS.

8.3.1.3.2 1,28 Mcps TDD option

The BS shall meet the limits below:

Table 5.A: Limits for radiated emissions from BS

Frequency range	Minimum requirement (e.r.p.)/Reference Bandwidth
30 MHz$\leq$ f <1000 MHz	-36 dBm/100 kHz
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Fc1 – 4 MHz < f < Fc2+4 MHz	Not defined

Key:

Fc1: Center frequency of first carrier frequency used by the BS.

Fc2: Center frequency of last carrier frequency used by the BS.