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

## **RP-020478**

# TitleCRs (Rel-4 and Rel-5 Category A) to TS 25.113SourceTSG RAN WG4Agenda Item7.4.4

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	А	Rel-5	5.1.0	Correction to radiated spurious emission limits for 1,28 Mcps TDD option	LCRTDD-RF

# 3GPP TSR RAN WG4 Meeting #24

## R4-021362

# Helsinki, Finland 12 - 16 August 2002

ж	2 <mark>5.113</mark> CR <mark>16</mark>	<b>۴ rev</b> 1 <sup>۴</sup>	Current version: <b>4.2.0</b> <sup>#</sup>				
For <b>HELP</b> on using this form, see bottom of this page or look at the pop-up text over the <b>#</b> symbols.							
Proposed change a	<b>fects:</b> UICC apps雅[	ME Radio /	Access Network X Core Network				
Title: ೫	Correction to radiated s	spurious emission limits f	or 1,28 Mcps TDD option				
Source: ೫	RAN WG4						
Work item code: अ	LCRTDD-RF		<i>Date:</i> ೫ <mark>21/08/2002</mark>				
Category: ⊮	lse <u>one</u> of the following ca <b>F</b> (correction)	correction in an earlier relea ), ation of feature) ion) e above categories can	Release: #Rel-4Use one of the following releases: 2(GSM Phase 2)se)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 Summary of chang	12,5MHz below th measurement for below the first and 4MHz to 12,5 MHz no radiated spurio	e first and 12,5MHz abov 1,28 MHz TDD option exo 1 4MHz above the last can z below the first and 4MH us emission limit exist for s splitted in two sub-section	ts exclude the frequency range re the last carrier used. The cludes the frequency range 4MHz rrier used. Thus, for the frequencies z to 12,5 MHz above the last carrier 1,28 Mcps TDD ons with the current limits for FDD and ection with the limits for the 1,28 Mcps				
Consequences if not approved:	leading to a violati	on of international regula					
Clauses affected: Other specs affected:	YN		ew)				
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 <u>http://www.3gpp.org/specs/CR.htm</u>. 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 <u>ftp://ftp.3gpp.org/specs/</u> 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	Not defined						
MHz							
Kov							

#### 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					
<u>30 MHz≤ f &lt;1000 MHz</u>	<u>-36 dBm/100 kHz</u>					
<u>1 GHz≤ f &lt;12,75 GHz</u>	<u>-30 dBm/ 1MHz</u>					
<u>Fc1 – 4 MHz &lt; f &lt; Fc2+4 MHz</u>	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.

# 3GPP TSR RAN WG4 Meeting #24

## R4-021363

# Helsinki, Finland 12 - 16 August 2002

								CR-Form-v7			
ж	25	. <mark>113</mark>	CR <mark>1</mark> 7	7	ж <b>re</b> v	/ 1	ж	Current ve	ersion:	5.1.0	ж
For <u>HELP</u> on us	sing t	his fori	m, see bo	ottom of tl	his page	or look	k at th	e pop-up te	xt ove	r the ¥ sy	mbols.
Proposed change a	affect	ts: L	JICC app	s#	ME	Ra	adio A	ccess Netw	ork X	Core N	etwork
Title: ೫	Cor	rection	<mark>to radia</mark> t	ed spurio	ous emiss	ion lin	nits fo	or 1,28 Mcps	TDD	option	
Source: ¥	RA	N WG4	1								
Work item code: #	LCI	RTDD-	RF					Date:	<mark>೫ 21</mark>	/08/2002	
Category: अ	Deta	F (corr A (corr B (add C (fund D (edite iled exp	ection) responds t lition of fea ctional mo orial modi	dification o fication) of the abov	tion in an of feature)			2	of the f (GS) (Rel (Rel (Rel (Rel (Rel (Rel	el-5 ollowing rel M Phase 2, ease 1996, ease 1997, ease 1999, ease 4) ease 5) ease 6)	) ) )
Reason for change Summary of chang		12,5M meas below 4MHz no ra The li the 3	MHz belo surement v the first z to 12,5 diated sp imit section	w the first for 1,28 M and 4MH MHz belo urious en on is split	t and 12, MHz TDE Iz above ow the firs nission lin ted in two	MHz option the las at and nit exis	above n exc st carr 4MHz st for sectio	s exclude the the last ca ludes the fro rier used. The to 12,5 MH 1,28 Mcps ons with the ection with the	rrier us equend hus, fo Iz abo TDD curren	sed. The cy range 4 r the frequ ve the last t limits for	MHz Jencies t carrier
Consequences if not approved:	Ħ							<mark>d spurious e</mark> ory requirer		n limit will	remain
Clauses affected:	ж	8.1.3	<mark>.1.3, 8.1.</mark>	3.1.3.1 (n	<mark>ew), 8.1.</mark>	3 <mark>.1.3.</mark> 2	2 (nev	v)			
Other specs affected:	ж	Y N X X X	Test spe	ore specifi ecification ecificatio	s	ж					
Other comments:	ж	Equiv	alent CR	s in other	r Release	s: CR	16r1 (	cat. F to 25.	113 v4	1.2.0	

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### 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≤ 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.

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

<u>Key:</u>

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

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