

TSG-RAN Working Group 2 (Radio L2 and Radio L3)
Sophia Antipolis, 16 to 20 August 1999

TSGR2#6(99)735

TSG-RAN WG 1 Meeting #6
Espoo, Finland 13-16, July 1999

TSGR1#6(99)A49

Source: TSG RAN WG1

To: TSG RAN WG4, TSG T WG1 EMC

Cc: TSG RAN WG2

Title: Liaison Statement requesting views on the envisaged impact of DPCCH gating of UE when in Control Only State

Contributions to WG1 (TSGR1#4(99)669, TSGR1#6(99)869,870,988) and WG2 (TSGR2#4(99)443, TSGR2#5(99)626) have proposed to use gating of the DPCCH when in Control Only State, in order to reduce interference to other users, increase the battery life of UE and increase system capacity.

It is expected that this concept will be approved as a working assumption by TSG-RAN WG1 #6, as part of a combined scheme incorporating NTT DoCoMo's Stop and Resumption Control proposal.

However, some companies raised concerns on the impact of EMC when UE is operating in DTX mode of few hundred Hertz (300Hz, 500Hz, etc). Even though the power of DPCCH is relatively small in comparison to DPDCH, and gating of the DPCCH is only envisaged for packet data mode (i.e. it is not envisaged that the terminal will held close to the ear), it was thought that the switching of the DPCCH may affect the external environment.

WG4 and T1 EMC are therefore requested to review the Gated DPCCH proposal and consider the potential impact of the scheme from an EMC point of view.