

CR-Formv3			
CHANGE REQUEST			
✂	TS25.221	CR 041	✂ rev <input type="text"/> ✂ Current version: 3.5.0 ✂

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 Core Network

Title:	✂ Clarifications & Corrections for TS25.221		
Source:	✂ Siemens AG		
Work item code:	✂ <input type="text"/>	Date:	✂ 9. 1. 01
Category:	✂ F	Release:	✂ R99
Use <u>one</u> of the following categories: F (essential correction) A (corresponds to a correction in an earlier release) B (Addition of feature), C (Functional modification of feature) D (Editorial modification)		Use <u>one</u> 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)	
Detailed explanations of the above categories can be found in 3GPP TR 21.900.			

Reason for change:	✂ Following recent discussions the TPC coding section should be moved from TS25.222 to TS25.221 to be in line with the corresponding FDD specifications.		
Summary of change:	✂ TPC coding section moved from TS25.222 to TS25.221		
Consequences if not approved:	✂ Inconsistent descriptions & specifications		

Clauses affected:	✂ 5.2.2.5		
Other specs affected:	<input checked="" type="checkbox"/>	Other core specifications	✂ CR25.222-054
	<input type="checkbox"/>	Test specifications	
	<input type="checkbox"/>	O&M Specifications	
Other comments:	✂ <input type="text"/>		

How to create CRs using this form:

Comprehensive information and tips about how to create CRs can be found at: http://www.3gpp.org/3G_Specs/CRs.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://www.3gpp.org/specs/> For the latest version, look for the directory name with the latest date e.g. 2000-09 contains the specifications resulting from the September 2000 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.

5.2.2.5 Transmission of TPC

All burst types 1, 2 and 3 for dedicated channels provide the possibility for transmission of TPC in uplink.

The transmission of TPC is done in the data parts of the traffic burst. Independent of the SF that is applied to the data symbols in the burst, the data in the TPC field are always spread with SF=16 using the channelisation code in the lowest branch of the allowed OVSF sub tree, as depicted in [8]. Hence the midamble structure and length is not changed. The TPC information is to be transmitted directly after the midamble. Figure 10 shows the position of the TPC in a traffic burst.

For every user the TPC information shall be transmitted at least once per transmitted frame. If TFCI is applied for a CCTrCH, TPC shall be transmitted with the same channelization codes and in the same timeslots as TFCI. If no TFCI is applied for a CCTrCH, TPC shall be transmitted using the first allocated channelisation code and the first allocated timeslot, according to the order in the higher layer allocation message.

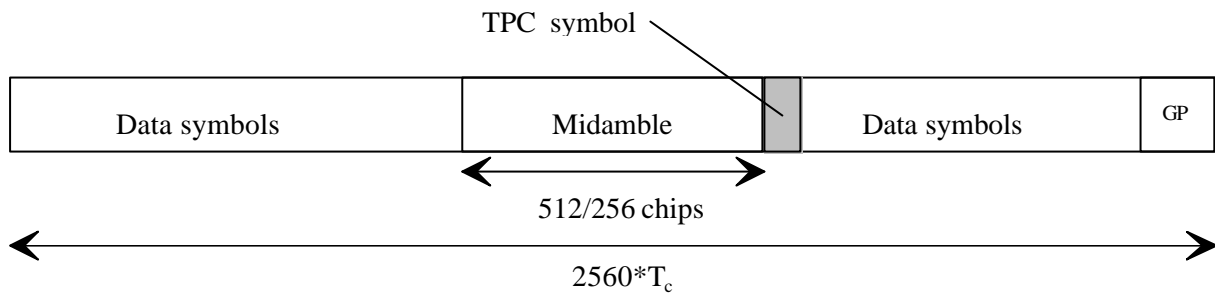


Figure 11: Position of TPC information in the traffic burst

The length of the TPC command is one symbol. The relationship between the TPC symbol and the TPC command is shown in table 4a.

Table 4a: TPC bit pattern

<u>TPC Bits</u>	<u>TPC command</u>	<u>Meaning</u>
<u>00</u>	<u>'Down'</u>	<u>Decrease Tx Power</u>
<u>11</u>	<u>'Up'</u>	<u>Increase Tx Power</u>