

TSG-RAN Working Group 1 meeting #10
Beijing, China
January 18 – January 21, 2000

TSGR1#10(00)0068

Agenda item: AH 1
Source: Interdigital Communications Corp.
Title: CR 25.224-008: Minor correction in TS 25.224 Power Control
Document for: Decision

This CR proposes to fix an editorial error for power control for Dedicated Physical Channel in TS 25.224.

As written, the rule addressed the case where measured SIR is higher than the target and the case when it is lower than the target, but does not address the case when SIR equals the target.

The following text in TS 25.224 is corrected by this CR:

In section 4.2.3.2 the text should read “when the measured value is higher or equal to the target SIR value, TPC bit =0.”

CHANGE REQUEST

Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.

25.224 CR 008

Current Version: **3.1.0**

GSM (AA.BB) or 3G (AA.BBB) specification number ↑

↑ CR number as allocated by MCC support team

For submission to: **WG1 # 10**

list expected approval meeting # here ↑

for approval
 for information

strategic
 non-strategic (for SMG use only)

Form: CR cover sheet, version 2 for 3GPP and SMG The latest version of this form is available from: ftp://ftp.3gpp.org/Information/CR-Form-v2.doc

Proposed change affects:

(at least one should be marked with an X)

(U)SIM ME UTRAN / Radio Core Network

Source:

InterDigital Comm. Corp.

Date:

11 January, 2000

Subject:

Modification of SIR threshold on setting TPC

Work item:

TS 25.224

Category:

(only one category shall be marked with an X)

- F Correction
- A Corresponds to a correction in an earlier release
- B Addition of feature
- C Functional modification of feature
- D Editorial modification

Release:

- Phase 2
- Release 96
- Release 97
- Release 98
- Release 99
- Release 00

Reason for change:

Correction of error in 25.224.

Clauses affected:

4.2.3.2

Other specs affected:

- Other 3G core specifications → List of CRs:
- Other GSM core specifications → List of CRs:
- MS test specifications → List of CRs:
- BSS test specifications → List of CRs:
- O&M specifications → List of CRs:

Other comments:



help.doc

<----- double-click here for help and instructions on how to create a CR.

4.2.3 Downlink Control

4.2.3.1 Common Physical Channel

The Primary CCPCH transmit power can be changed based on network determination on a slow basis. The reference transmit power of P-CCPCH is signaled on the BCH on a periodic basis.

4.2.3.2 Dedicated Physical Channel

The initial transmission power of the downlink Dedicated Physical Channel is set by the network. After the initial transmission, the UTRAN transits into SIR-based inner loop TPC as similar to the FDD mode

The measurement of received SIR shall be carried out periodically at the UE. When the measured value is higher than or equal to the target SIR value, TPC bit = „0,“. When this is lower than the target SIR value, TPC bit = „1,“. At the UTRAN, soft decision on the TPC bits is performed, and when it is judged as „0,“, the transmission power may be reduced by one step, whereas if judged as „1,“, the transmission power may be raised by one step.

When the TPC bit cannot be received due to out-of-synchronisation, the transmission power value shall be kept at a constant value. When SIR measurement cannot be performed due to out-of-synchronisation, the TPC bit shall always be = „1,“, during the period of being out-of-synchronisation.

A higher layer outer loop adjusts the target SIR.