

Agenda item: AH 9
Source: Ericsson
Title: CR 25.214-048: Power offset on S-CCPCH
Document for: Decision

1 Power offset on S-CCPCH

To our knowledge, up to now, the possibility of having different powers on the different fields in the S-CCPCH slots has not been discussed. It is not clear from the specification if there exist such a possibility, or if the power must be the same of all the fields. Hence, there is a possibility that terminals are implemented that assumes the same power on all fields.

To facilitate optimisation of the quality of the TFCI and pilot bits, separate power offsets for the TFCI field and the pilot field is helpful. Hence, it would be bad if terminals make the assumption that the power is the same of all fields. To clarify this point, section 5.2.5 “S-CCPCH” is added.

2 PICH power

A clarification is proposed to section 5.2.4. Since only the first 288 bits out of 300 available bits are used for PICH (and the usage of the remaining 12 bits is undefined), it is proposed that the PICH power is referred to as the power measured over the paging indicators, as it is described for the AICH in section 5.2.3. I.e., the power of the paging indicators is independent on whether the remaining 12 bits are used or not.

CHANGE REQUEST

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

25.214 CR 048

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: **TSG-RAN #7** for approval
list expected approval meeting # here ↑ for information

strategic (for SMG use only)
non-strategic

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: (U)SIM ME UTRAN / Radio Core Network
(at least one should be marked with an X)

Source: Ericsson **Date:** 2000-01-14

Subject: Power offset on S-CCPCH

Work item:

Category: F Correction **Release:** Phase 2
A Corresponds to a correction in an earlier release Release 96
(only one category shall be marked with an X) B Addition of feature Release 97
C Functional modification of feature Release 98
D Editorial modification Release 99
Release 00

Reason for change: Section 5.2.5: In order to maintain the quality of the TFCI and pilot bits, optional separate power power offsets for the TFCI field and the pilot field are proposed.
Section 5.2.4: Since only the first 288 bits out of 300 bits are used for PICH (and the usage of the remaining 12 bits is undefined), it is proposed that the PICH power is referred to as measured over the paging indicators.

Clauses affected: 5.2.5, 5.2.4

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

5.2.3 AICH

The UE is informed about the relative transmit power of the AICH (measured as the power per transmitted acquisition indicator) compared to the primary CPICH transmit power by the higher layers.

5.2.4 PICH

The UE is informed about the relative transmit power of the PICH (measured as the power over the transmitted paging indicators, excluding the undefined part of the PICH frame) compared to the primary CPICH transmit power by the higher layers.

5.2.5 S-CCPCH

The TFCI and pilot fields may be offset relative to the power of the data field. The power offsets may vary in time.