

TSG-RAN Working Group 1 meeting No. 16
October 10 – 13, Pusan, Korea

TSGR1-00-1205

TSG-RAN Working Group 4, meeting #13
Turin, Italy, 4th – 8th September 2000

TSG R4-00 0743

Title: LS to WG1: UTRAN RSSI
Source: TSG RAN4
To: TSG RAN1
CC: TSG RAN2, TSG RAN 3

Contact Person: Johan Nilsson (johan.nilsson@eed.ericsson.se)
Mattias Wahlqvist (mattias.wahlqvist@ree.ericsson.se)

RAN4 is currently finalising the RSSI requirements in TS25.133 and TS25.123 for UTRAN measurements. When studying the requirement closer RAN 4 has made the following observations.

- The name RSSI is unfortunate, since the intention is not to measure the signal but the total wide band received power.
- The definition can be misunderstood and would benefit from further clarification.

RAN 4 would like to inform RAN1 that RAN4 has also concluded that performance of the relative RSSI measurement would benefit from the inclusion of the internally in the BS generated noise. The proposed new definition is:

The wide-band received power including the internally generated noise in the BS, within the UTRAN uplink carrier channel bandwidth in an UTRAN access point. In case of BS with receiver diversity the reported value shall be the linear average of the power in the diversity branches.

RAN 4 would therefore like to kindly ask RAN1 to consider

- Changing the name to ***received total wide band power*** that clearer indicates the intention of the measurement.
- Adopting the definition above in its specifications TS25.215 and TS25.225.

RAN 4 will then continue its work to set appropriate performance requirements, and define the limits where this is applicable.