TSG-RAN Working Group 4 meeting #6 **TSGR4#6(99) 398**

Queensferry, 26. – 29. July 1999

Agenda Item:

Source: SIEMENS

Title: **BS output power (TDD)**

Document for: Discussion and Decision

The maximum output power of the basestation is declared by the manufacturer.

The tolerance of this power is specified according to FDD and experiences with GSM technology, too:

- +/-2dB under normal conditions and
- +/-2.5dB under extreme conditions.

References

[1] TS 25.104 v2.1.0 UTRA (BS) FDD; Radio Transmission and Reception

[2] GSM 05.05 Version 5.2.0, July 1996; Digital cellular telecommunications system (Phase 2+); Radio transmission and reception

Text proposal for TS 25.105

6.2 Base station output power

Output power, Pout, of the base station is the mean power of one carrier delivered to a load with resistance equal to the nominal load impedance of the transmitter during one slot.

6.2.1 Base station maximum output power

Maximum output power, Pmax, of the base station is the mean power level per carrier that the manufacturers has declared to be available at the antenna connector.

6.2.1.1 Minimum Requirement

In normal conditions, the base station maximum output power shall remain within +~~TBD~~ 2 dB and –~~TBD~~ 2 dB of the manufacturer's rated power.

In extreme conditions, the Base station maximum output power shall remain within +~~TBD~~ 2.5 dB and –~~TBD~~ 2.5 dB of the manufacturer's rated power.