

Source: Rapporteur

Title: Status report for TDD BS Classification Rel 5 work item

Agenda Item: 8.4.3

1 Introduction

Simulations and further justification for the LA BS requirements have been provided since the last RAN meeting. Definition of requirements for the local area basestation are complete and RAN 4 is ready to add the new BS class to the core specification.

2 Completed Work

The followed work has been completed in RAN 4 since the last RAN meeting:

- ✓ Simulations were performed for receiver blocking and intermodulation requirements for local area BS.
- ✓ Requirements for ACLR have been finalized based on simulation results and the ACS requirement has been further justified.
- ✓ Requirement for receiver dynamic range has been added.

RAN 4 agrees this work item is now complete and recommends that RAN raise the version of TR25.952 to version 5.0.

3 Work to be completed

RAN 4 will present to RAN CRs to TS25.105, TS25.142, and TS25.123 for approval by the RAN#14 deadline to complete the work under this WI.

4 Status of specifications

4.1 Parameters for classification in TS 25.105

Clause	Description	Status
4.2	Base station classes	Completed.
6.3.1	Frequency stability	Completed.
6.6.2.2.1	ACLR minimum requirement	Completed.
6.6.2.2.2	ACLR in case of operation in proximity to TDD BS or FDD BS operating on adjacent frequency	Completed.
6.6.2.2.3	ACLR in case of co-siting with TDD BS or FDD BS operating on adjacent frequency	Completed.

7.2.1	Reference Sensitivity Level	Completed.
7.3.1	Dynamic Range	Completed.
7.4.1	ACS	Completed.
7.5	Blocking Characteristics	Completed.
7.6	Intermodulation Characteristics	Completed.
8.3.2.1	Performance requirement for multipath fading case 2	Completed
8.3.3.1	Performance requirement for multipath fading case 3	Completed

4.2 Parameters for classifications in TS 25.123

Clause	Description	Status
9.2.1.1.1	RSCP absolute accuracy	Completed
9.2.1.1.2	RSCP relative accuracy	Completed
9.2.1.1.3	RSCP range/mapping	Completed
9.2.1.2.1	ISCP Intra frequency absolute accuracy	Completed
9.2.1.2.2	ISCP range/mapping	Completed
9.2.1.3.1	Received total wide band power intra frequency absolute accuracy	Completed
9.2.1.3.2	Received total wide band power range/mapping	Completed
A.9.2.1	Test parameters for UTRAN Rx measurements	Completed

5 Impacts on other RAN Working Groups

No impact identified.