

**Agenda item: 5**

**Source: AH51 chair**

**Title: AH 51 status report**

**Document for: Approval**

# 1 Introduction

TS25.141 (BS conformance testing (FDD)) V2.0.2 includes the changes implemented by the editor resulting from decisions at TSG RAN WG4 #7 and endorsed in TSG RAN #5. After RAN4#7 meeting, some discussions were made in AH51 e-mail reflector and some of these editorial comments are reflected as version 2.0.3. There remain some technical issues that should be discussed and confirmed in RAN4#8 meeting in Sophia Antipolis. Discussions

## 1.1 Editorial changes

The following editorial comments were raised in e-mail reflector and some of them are reflected in version 2.0.3. Most of them were changed in straight forward way. Item 13,15 and 16 should be checked whether the action is proposer or not.

#	Section	Comment	Editorial / Technical	Action
1	Abbreviation list	Many definitions are valid for the UE and DL.	E,(T)	Abbreviations only valid for UE or not referred in 25.141 are removed (or revised so as to be proper for BS specification).
2	Global changes	Different abbreviations for the Base station is used throughout the document. Since in the title of 25.104, BS is used, it seems be proper term.	E	Term BTS and BSS are replaced by BS, except other system's part such as "DCS1800 BTS". No.43 in open items list is closed.
3	3.4.1	The text is not aligned with 25.101 and 25.104. Only the frequency bands for FDD needs to be described.	E,(T)	Only the frequency band for FDD mode is described. Texts are taken from 25.104. Editor's note that state future band allocation in region 2 is added.
4	4.6	There seems to be no definition of DTX in WG1 documentation nor in 25.104.	T,E	Editor's note is added that states DTX related part (sec.4.6) will be removed unless corresponding definition is in TS25.104.
5	4.13.5.2	There is a reference to the receiver antenna connector. Should be Transmitter antenna connector.	E	Reference to the receiver antenna connector is corrected to the transmitter antenna connector.
6	(6.4)	This chapter has no corresponding title in 25.104 (but in the open issue list). To keep the same	E	Chapter for "Clock frequency error" is moved to the last part of section 6 to keep the same order as in 25.104.

		numbering as in 25.104 would be better.		
7	6.5	In “Output power dynamics”, it is stated that the transmitter uses power control in both UL and DL. Should be replaced by BS related function.	E	“Output power dynamics” is revised so as to describe only BS related functions.
8	6.5.2.1	The term transmission test mode is used. Unclear what test mode is.	E,T	The term “transmission test mode” is replaced by more descriptive sentence, such as “transmit DPCH with Disabled.”
9	6.4.3	Minimum requirement has changed in 25.104.	E	Minimum requirement for “Power control step” is revised so as to correspond to 25.104.
10	6.5.4	“Perch channel power” is changed in 25.104.	E,T	Title and descriptions are changed so as to have same contents as in 25.104
11	6.6.3.1	“Spurious emissions”: The requirements in 25.104 ends at 12.75 GHz,. Some other changes are needed.	E,T	Texts are revised as in 25.104.
12	6.6.3.5		E,(T)	Minimum requirements for Category A and B are corrected as in 25.104.
13	6.6.2.1	There is now a lot of text in 25.104, but no measurement set-up.	E,(T)	Descriptions on “Spectrum emission mask” are taken from 25.104. Measurement method is still FFS. Listed as a open issue in Annex.
14	6.6.2.2.2	-50 dB for ACLR2 was agreed	E,(T)	Table 6.6-7 (BS ACLR) is corrected as in 25.104.
15	6.6.3.6.1	Value for protection of BS receiver is now -94 dBm in 25.104.	E,(T)	Table 6.6-17(Protection of BS receiver) is corrected as in 25.104.
16	7.2.1	The text “For each transport channel information rate ...” does not match with the text in the minimum requirement where it states 12.2 kbps.	E,T	“Reference sensitivity level”: Sentence which states the rate of measurement channel shall be specified by manufacturer is removed to keep coincidence with minimum requirement.
17	7.5.2	The values in minimum requirements have been agreed. Types of signals have other definition in 25.104.	E,(T)	“Blocking characteristics”: Description and Table 7.5-1 are revised so as to have the same contents as in 25.104.
18	7.6	The types of signals, frequency offsets and level of the interferer has been agreed.	E,(T)	“Intermodulation characteristics”: Description of minimum requirement is corrected as in 25.104.
19	4.13.5	The term essential conformance is used without definition.	E,(T)	The term “test of essential conformance” is replaced by “conformance test”, since there is no definition of “essential conformance” so far.

20	6.8.1.1	The term root-nyquist filter should be replaced by a root raised cosine filter.	E,(T)	“root-nyquist filter” is replaced by “root raised cosine filter”.
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## 1.2 Technical proposal

One comment seems to be a rather technical issue. The following is a comment for “Transmitter power” and its text proposal made by AH51 chair.

### 1.2.1 Comment for Transmitter power under test

Transceivers transmit at its maximum output power in any case of conformance testing (unless otherwise stated). The current text in 25.141 has unclear description.

### 1.2.2 Text proposal

To specify the above condition, the following text is proposed.

## 6 Transmitter

### 6.1 General

All tests in this Clause shall be conducted on Base Station fitted with a full complement of Transceivers for the configuration unless otherwise stated. Transmission power shall be at the maximum output power unless otherwise stated. Measurements shall be made at the BS Tx antenna connector, unless otherwise stated.

Power levels are expressed in dBm