

Agenda Item: 5

Source: AH51 Contact person: Fujitsu)

Title: AdHoc status report

(Open issues in TS25.141 “BS conformance testing (FDD)”)

Document for: Discussion and approval

1. Status of AH51

At the last RAN WG4#5 in Miami, it was agreed to have an email ad hoc for TS25.141, "BS conformance testing (FDD)" as AdHoc51. Although, Fujitsu is responsible for it, there is no e-mail discussion so far. This document summarizes the open issue in the specification and try to activate discussion in e-mail reflector. The goal of this AdHoc 51 is to get concrete descriptions in TS25.141 by the next RAN WG4#7 meeting, since our mile stone states that this document should go up to version 2 in the succeeding RAN#5 meeting in October.

2. Open issues in TS25.141

The following table is for open issues in TS25.141.

Annex A (Informative): Open items

No.	Section number	Section title or description	Status	Priority
1	2	References	Shall be filled in later.	
2	3.1	Definitions	To be filled in later.	
3	3.2	Symbols	To be properly defined later.	
4	4.1	Acceptable uncertainty of measurement equipment	Just remove the “Editor’s note” is enough?	
5	4.11	Inter-BS synchronous operation	Since TS25.141 is mainly for the specification of radio related part, this section seems to be removed.	
6	4.13	BTS Configurations	Sub-clauses shall be describes later.	
7	4.13.2	Duplexers	Shall be revised later.	
8	4.13.5	BSS using antenna arrays	Title only. Further contribution is expected.	
9	6.2.1	Base station maximum output power	Table 6.2.-1 and Table 6.2-2 should be filled in.	A
10	6.3	Frequency stability	Test conditions shall be revised properly.	A
11	6.4.2	Power control steps	There are some TBD parameters in the test conditions.	A
12	6.4.2.2	Minimum requirement (for power control steps)	- Step size torelance is ffs. - To define the transmitter power as “code domain power” is ffs.	A
13	6.4.3	Power control dynamic range	There are some TBD parameters in the test conditions.	A

14	6.4.4	Minimum transmit power	There are some TBD parameters in the test conditions.	A
15	6.4.5	Total power dynamic range	There are some TBD parameters in the test conditions.	A
16	6.4.6	Power control cycles per second	There are some TBD parameters in the test conditions.	A
17	6.5	Transmitted RF carrier power versus time	Table 6.5-1 should be filled in.	A
18	6.5.4	Perch channel power	There are some TBD parameters in the test conditions.	A
19	6.6.1	Occupied bandwidth	Texts for measurement method are needed. Table 6.6-1 should be filled in.	A
20	6.6.3	Spurious emissions	There are some TBD parameters in the test conditions. Table 6.6-3 and Table 6.6-4 should be filled in.	A
21	6.7	Transmit intermodulation	There are some TBD parameters in the test conditions. Further input for co-located cellular systems are needed.	A
22	7	Receiver characteristics	- Definition of requirements for antenna diversity is ffs. - Definitions of test channels is required.	A
23	7.2.1	Test conditions and measurement methods	BER and UER measurement method should be defined.	A
24	7.3	Maximum Frequency Deviation for Receiver Performance	The need for such a requirement is ffs.	
25	7.4	Dynamic range	- Channel type is ffs. - The effect of applying LNAs to the dynamic range specification is ffs.	A
26	7.5	Adjacent Channel Selectivity (ACS)	Title only. Further studies are needed.	A
27	7.6	Blocking characteristics	The definition of the exemptions needs to be reconsidered, since it seems unclear.	A
28	7.7	Spurious response	There are some blank parameters in the test conditions.	A
29	7.9	Spurious emissions	Text to be added.	A
30	8.2.1	Performance in AWGN channel	- BER (or FER) measurement method should be defined. - There are some TBD parameters in Table 8.2-1	A
31	[6.4.1.3]	Uplink power control	Text for this section is needed.	
32	[6.4.1.4]	Soft handover performance	FFS.	

33	[6.4.1.5]	Soft handover performance	Duplicate to the prior section. Simple deletion is enough.	
34	8.2.2.2	Performance without TPC	There are some TBD parameters in the table.	
35	8.2.2.3	Performance with TPC	There are some TBD parameters in the table.	
36	[6.4.1.3]	Uplink power control	Duplicate to the prior section. Simple deletion is enough.	
37	[6.4.1.4]	Soft handover performance		
38	[6.4.1.5]	Soft handover performance		
39	General	e.g. BS vs. BSS	Terminology should be in line with other specifications	