3GPP TSG-RAN WG4 Meeting #58AH **R4-111703**
Shanghai, CHINA 11-15 Apr. 2011

Agenda Item: **2**
Source: **Chairman**
Title: **Proposed agenda**
Document for: **Approval**

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1 Opening of the meeting (Monday, 9 a.m.)

Intellectual Property Rights Policy

The attention of the delegates to the meeting of this Technical Specification Group is drawn to the fact that 3GPP Individual Members have the obligation under the IPR Policies of their respective Organizational Partners to inform their respective Organizational Partners of Essential IPRs they become aware of.

The delegates are asked to take note that they are thereby invited:

- to investigate whether their organization or any other organization owns IPRs which are, or are likely to become Essential in respect of the work of 3GPP.
- to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (http://webapp.etsi.org/Ipr/).

2 Approval of the agenda

3 Letters / reports from other groups / meetings

4 Essential corrections for earlier releases (up to release-9) *

4.1 Co-existence

4.1.1 FDD/ TDD co-existence (Band 38 and Band 7) (Ref: R4-111284, R4-110610, R4-110951)

4.1.2 Band 5 and Band 8 co-existence in Korea (Ref: R4-111212)

4.1.3 UE spurious emission requirements (Ref: R4-104962)

4.2 Requirements for existent bands

4.2.1 Band 3(LTE) operation in Japan (Ref: R4-111288)

4.2.2 Band 19 and Band 21 requirements (Ref: R4-111285, R4-111605)

5 Work items, Rel-10 and beyond

5.1 Intra Band Carrier Aggregation for LTE (CA_1, CA_40)

5.1.1 Deployment scenarios / Co-existing studies [LTE_CA-Core]

5.1.2 BS RF requirements/ BS conformance test (RF part) [LTE_CA-Core]

5.1.3 UE RF requirements [LTE_CA-Core]

5.1.4 RRM (Radio Resource Management) [LTE_CA-Core]

5.1.5 BS Performance aspect / BS Conformance test (Performance part) [LTE_CA-Perf]

5.1.6 UE Performance aspect [LTE_CA-Perf]

5.1.7 RRM Performance aspect [LTE_CA-Perf]

5.2 Framework for Inter Band Carrier Aggregation for LTE (Not band specific)

5.2.1 General [LTE_CA-Core]

5.2.2 BS RF requirements [LTE_CA-Core]

5.2.3 UE RF requirements [LTE_CA-Core]

5.2.4 RRM (Radio Resource Management) aspect [LTE_CA-Core]

5.2.5 BS Conformance test, Performance aspect [LTE_CA-Perf]

5.2.6 UE Performance aspect [LTE_CA-Perf]

5.2.7 RRM Performance aspect [LTE_CA-Perf]

5.3 Enhanced Downlink Multiple Antenna Transmission for LTE

5.3.1 UE Performance aspect [LTE_eDL_MIMO- Perf]

5.3.2 BS Performance aspect, BS Conformance test [LTE_eDL_MIMO- Perf]

5.3.3 RRM Performance aspect [LTE_eDL_MIMO- Perf]

5.4 Relays for LTE

5.4.1 Deployment scenarios / Co-existing studies [LTE_Relay-Core]

5.4.2 RF requirements [LTE_Relay-Core]

5.4.3 RRM (Radio Resource Management) aspect [LTE_Relay-Core]

5.4.4 Performance aspect [LTE_Relay-Perf]

5.5 Uplink Multiple Antenna Transmission for LTE

5.5.1 BS RF requirements [LTE_UL_MIMO-Core]

5.5.2 UE RF requirements [LTE_UL_MIMO-Core]

5.5.3 RRM (Radio Resource Management) aspect [LTE_UL_MIMO-Core]

5.5.4 BS Performance aspect, BS Conformance test [LTE_UL_MIMO-Perf]

5.5.5 UE Performance aspect [LTE_UL_MIMO-Perf]

5.5.6 RRM Performance aspect [LTE_UL_MIMO-Perf]

5.6 Four carrier HSDPA

5.6.1 UE Performance aspect [4C_HSDPA-Perf]

5.6.2 BS Performance aspect, BS Conformance test [4C_HSDPA-Perf]

5.6.3 RRM Performance aspect [4C_HSDPA-Perf]

5.7 Support of New Band Combinations for Dual-Band Dual Cell HSDPA [DB_DC_HSDPA-Core]

5.7.1 Maximum transmission output power requirements

5.7.2 Reference sensitivity level requirements

5.8 Enhanced ICIC for non-CA based deployments of heterogeneous networks for LTE

5.8.1 UE Performance requirements [eICIC_LTE-Perf]

5.8.2 RRM Performance aspect [eICIC_LTE-Perf]

5.8.3 RRM Core requirements [eICIC_LTE-Core]

5.9 Multi-standard radio Base Station RF requirements for non-contiguous spectrum deployments

5.9.1 BS RF requirements [MSR_NC-Core]

5.9.2 BS Conformance test [MSR_NC-Perf]

5.10 MIMO operation with non-MIMO coexistence in HSDPA

5.10.1 S-CPICH power accuracy requirement [MIMO_HSDPA-Core]

5.10.2 UE Performance aspect [MIMO_HSDPA-Perf]

5.10.3 BS Performance aspect, BS Conformance test [MIMO_HSDPA-Perf]

5.11 MU-MIMO for 1.28Mcps TDD - Performance Part [MUMIMO_LCR_TDD-Perf]

5.12 Performance Requirements for two-antenna 1.28Mcps TDD Type 1 and Type 2 UE receiver [2ant_UE_LCR_TDD-Perf]

5.13 UE demodulation performance requirements under multiple-cell scenario for 1.28Mcps TDD [LCR_TDD_UE_demod_mc-Perf]

5.14 UE OTA conformance testing methodology - LME Free Space test [UEAnt_FSTest]

5.15 AGNSS Minimum Performance for UTRAN [AGNSSPerf_UTRAN]

5.16 Phase 2 positioning test cases [LCS_LTE, Rel-10]

5.17 Minimization of Drive Tests for E-UTRAN and UTRAN [MDT_UMTSLTE-Core]

5.17.1 BS measurement accuracy requirements and report mapping

5.17.2 Relative timestamp drift requirements

6 New frequency bands, Release independent

6.1 Add L-Band LTE for ATC of MSS in North America

6.1.1.1 Core requirements [L_Band_LTE_ATC_MSS-Core]

6.2 Add 2 GHz band LTE for ATC of MSS in North America

6.2.1 Core requirements [S_Band_LTE_ATC_MSS-Core]

6.2.1.1 BS RF requirements [S_Band_LTE_ATC_MSS-Core]

6.2.1.2 UE RF requirements [S_Band_LTE_ATC_MSS-Core]

6.2.1.3 RRM requirements [S_Band_LTE_ATC_MSS-Core]

6.2.2 Performance requirements [S_Band_LTE_ATC_MSS-Perf]

6.3 Expanded 1900 MHz Band for UTRA and LTE

6.3.1 Core part: Expanded 1900 MHz Band for UTRA and LTE [E1900-Core]

6.3.1.1 BS RF requirements (OOB requirements) [E1900-Core]

6.3.1.2 UE RF requirements (REFSENSE) [E1900-Core]

6.4 Extending 850 MHz Upper Band (814 – 849 MHz)

6.4.1 Core part: Extending 850 MHz Upper Band (814 – 849 MHz) [e850_UB-Core]

6.4.1.1 BS RF requirements [e850_UB-Core]

6.4.1.2 UE RF requirements [e850_UB-Core]

6.4.1.3 RRM requirements [e850_UB-Core]

6.4.2 Perf. part: Extending 850 MHz Upper Band (814 – 849 MHz) [e850_UB-Perf]

6.5 UMTS/LTE 3500 MHz [RInImp8-UMTSLTE3500]

7 Study items

7.1 Study on Extending 850 MHz

7.1.1 BS aspect [FS_e850]

7.1.2 UE aspect [FS_e850]

7.2 Study on Measurement of Radiated Performance for MIMO and multi-antenna reception for HSPA and LTE terminals [FS_HSPA_LTE_measRP_MIMO_multi-antenna]

7.2.1 General (common) aspect

7.2.2 Anechoic RF Chamber method

7.2.3 Reverberation Chamber method

7.2.4 Two stage method

7.3 Study on Signalling and procedure for interference avoidance for in-device coexistence [FS_SPIA_IDC]

8 Sessions review

9 Liaison and output to other groups

10 Close of the meeting (No later than Friday, 5 p.m.)

* CRs up to rel-8, “Isolated impact analysis” is required on their coversheet.