**3GPP TSG-RAN WG4 Meeting #108bis R4-2316572**

**Xiamen, China, October 9 – 13, 2023**

**Title: [draft] Reply LS on RRM test cases with testability issues**

**Response to:** R5-233782

**Release:** Release - 15

**Work Item:** TEI15\_Test, 5GS\_NR\_LTE-UEConTest

**Source:** RAN4

**To:** RAN5

**Cc:**

**Contact Person:**

#### Name: Qiming Li

E-mail Address: < li\_qiming@apple.com>

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:** none

**1. Overall Description:**

RAN4 thanks RAN5 for the LS [1] on RRM test cases with testability issues. RAN4#108bis discussed the issue and reached the following conclusion.

RAN4 agreed to update the lists of test cases UE does not have to pass in Table A.3.13A.2-1 and A.3.13A.3-1 (TS38.133 v17.10.0). The update can be found in appendix.

**2. Actions:**

**To RAN5 group.**

**ACTION:**  RAN4 kindly asks RAN5 to take above RAN4 agreements into consideration.

**3. Date of Next TSG-RAN WG4 Meetings:**

TSG RAN WG4 Meeting #109 13 – 17 November 2023 Chicago, US

TSG RAN WG4 Meeting #110 26 February – 1 March 2024 Athens, Greece

**4. Reference**

1. R5-233782, LS on RRM test cases with testability issues, RAN5

**5. Appendix**

Table A.3.13A.2-1: Test cases UE does not have to pass in current version of specification (EN-DC) (TS38.133 v17.10.0)

|  |  |
| --- | --- |
| Clause | Test case slogan |
| A.5.3.3.1 | Handover with PSCell with known FR2 target PSCell |
| A.5.5.2.7 | E-UTRAN – NR FR2 interruptions at E-UTRA SRS carrier based switching |
| A.5.5.3.2 | SCell Activation and deactivation of known SCell in FR1 for 160ms SCell measurement cycle |
| A.5.5.3.5 | SCell Activation and deactivation of SCell in FR2 |
| A.5.5.3.6 | Multiple SCell Activation and deactivation of one unknown SCell and one known SCell in FR2 |
| A.5.5.3.9Note 1 | PUCCH SCell Activation and deactivation of known SCell in FR2 |
| A.5.5.3.10Note 2 | PUCCH SCell Activation and deactivation of unknown SCell in FR2 |
| A.5.5.3.11Note 3 | Multiple SCell activation and deactivation of one known PUCCH SCell and one unknown SCell in FR2 |
| A.5.5.3.12Note 4 | SCell Activation and deactivation of unknown PUCCH SCell and unknown DL SCell in FR2 in non-DRX |
| A.5.5.6.1.2 | E-UTRAN – NR PSCell FR2 with FR2 SCell DL active BWP switch in non-DRX in synchronous EN-DC |
| A.5.5.6.4.2 | E-UTRAN – NR FR1 PSCell SCell dormancy switch of two FR2 SCells outside active time |
| A.5.6.2.5 | EN-DC event triggered reporting tests for FR2 cell without SSB time index detection when DRX is not used |
| A.5.6.2.6 | EN-DC event triggered reporting tests for FR2 cell without SSB time index detection when DRX is used |
| A.5.6.2.7 | EN-DC event triggered reporting tests for FR2 cell with SSB time index detection when DRX is not used |
| A.5.6.2.8 | EN-DC event triggered reporting tests for FR2 cell with SSB time index detection when DRX is used |
| A.5.7.1.3 | EN-DC inter-frequency measurement accuracy with FR1 serving cell and FR2 target cell |
| Note 1: moved from A.5.5.3.3. Original section number in TS38.133-v17.10.0 is incorrect. Note 2: moved from A.5.5.3.4. Original section number in TS38.133-v17.10.0 is incorrect. Note 3: moved from A.5.5.3.5. Original section number in TS38.133-v17.10.0 is incorrect. Note 4: moved from A.5.5.3.6. Original section number in TS38.133-v17.10.0 is incorrect.  |

Table A.3.13A.3-1: Test cases UE does not have to pass in current version of specification (SA)

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| Clause | Test case slogan |
| A.7.3.1.1 | Inter-frequency handover from FR1 to FR2; unknown target cell |
| A.7.3.1.4 | Inter-band inter-frequency synchronous DAPS handover from FR1 to FR2 |
| A.7.3.1.5 | Inter-band inter-frequency asynchronous DAPS handover from FR1 to FR2 |
| A.7.3.1.6 | Handover with PSCell from SA to EN-DC; unknown FR2 target cell |
| A.7.3.1.7 | HO with PSCell from FR1 NR-SA to EN-DC with known E-UTRA PCell and known FR2 PSCell  |
| A.7.3.1.8 | NR PSCell change delay in HO with PSCell from NR-DC to NR-DC |
| A.7.3.1.11 | Inter-frequency handover from FR1 to FR2-2; unknown target cell |
| A.7.5.3.2 | SCell Activation and deactivation for FR1+FR2 inter-band with target SCell in FR2 |
| A.7.5.3.6 | PUCCH SCell activation and deactivation for FR1+FR2 inter-band with target SCell in FR2 and known |
| A.7.5.3.7 | PUCCH SCell activation and deactivation delay requirements of FR2 unknown cell with FR1 PCell |
| A.7.5.6.1.2 | NR FR1- NR FR2 DL active BWP switch of PCell with non-DRX in SA |
| A.7.5.6.4.2 | NR FR1 PCell SCell dormancy switch of two FR2 SCells outside active time |
| A.7.5.7.1 | Addition and Release Delay of known NR PSCell |
| A.7.5.7.2 | Addition and Release Delay of unknown NR PSCell |
| A.7.5.7.3 | Addition and Release Delay of known NR PSCell in FR2-2 |
| A.7.5.7.4 | Addition and Release Delay of unknown NR PSCell in FR2-2 |
| A.7.5.12.1 | Addition and Release Delay of PSCell |
| A.7.5.14Note 1 | PSCell RACH-less based Activation and deactivation for FR1+FR2 inter-band with target PSCell in FR2 |
| A.7.6.2.5 | SA event triggered reporting tests for FR2 without SSB time index detection when DRX is not used (PCell in FR1) |
| A.7.6.2.6 | SA event triggered reporting tests for FR2 without SSB time index detection when DRX is used (PCell in FR1) |
| A.7.6.2.7 | SA event triggered reporting tests for FR2 with SSB time index detection when DRX is not used (PCell in FR1) |
| A.7.6.2.8 | SA event triggered reporting tests for FR2 with SSB time index detection when DRX is used (PCell in FR1) |
| A.7.6.2.16 | SA event triggered reporting tests for FR2-2 without SSB time index detection when DRX is not used (PCell in FR1) |
| A.7.6.2.17 | SA event triggered reporting tests for FR2-2 without SSB time index detection when DRX is used (PCell in FR1) |
| A.7.6.2.18 | SA event triggered reporting tests for FR2-2 with SSB time index detection when DRX is not used (PCell in FR1) |
| A.7.6.2.19 | SA event triggered reporting tests for FR2-2 with SSB time index detection when DRX is used (PCell in FR1) |
| A.7.6.3.6 | Inter-cell SSB based L1-RSRP measurements on FR2 SCell when DRX is not used |
| A.7.7.1.3 | SA inter-frequency measurement accuracy with FR1 serving cell and FR2 target cell |