3GPP RAN WG5 Meeting #88-e R5-204847

Electronic meeting, 17th – 28th August 2020

**Title:** [draft] LS response on Multiband relaxation for FR2 on testability analysis of MBR

**Response to:** LS on Multiband relaxation for FR2

**Release:** Rel-15

**Work Item:** 5GS\_NR\_LTE-UEConTest

**Source:** TSG RAN WG5

**To:** GCF CAG, PVG

**Cc:** -

**Contact Person:**

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**Attachments:** [1] R5-20xxxx, CR to 38.521-2: FR2 RefSens and EIS spherical PC3 MBR table update

[2] R5-20xxxx, CR to 38.521-2: Correction to MB relaxation minimum requirements

**1. Overall Description:**

RAN5 thank GCF CAG and PVG for their previous LS on MB relaxation. Based on the testability analysis of MBR, as provided by RAN5, RAN4 has agreed the following:

* In the scope of Rel-15:
  + RAN4 shall introduce a maximum cap to the per-band relaxation factors, such that ∆MBP,n ≤ 0.75 dB and ∆MBS,n ≤ 0.75 dB
  + This MBR framework is applicable to the bands defined in Rel-15 (i.e. n257, n258, n260, n261) and is defined only in the Rel-15 version of TS38.101-2
* In the scope of Rel-16 and beyond:
  + RAN4 shall define fixed per-band relaxation factors, ∆MBP,n and ∆MBS,n, directly in the specification
  + This MBR framework applies to a Rel-16+ UE supporting any FR2 band(s)
  + This MBR framework also applies to a Rel-15 UE if it supports any FR2 band which is introduced in Rel-16+ (e.g. band n259)

RAN5 have taken the RAN4 information above into account for MB relaxation having the following RAN5 implications::

* Rel-15 devices supporting only Rel-15 bands: The multi-band framework involving UE declaration and need of multi-band testing is kept
* Rel-16 devices and Rel-15 UEs supporting any band from Rel-16 and later: The multi-band framework involving UE declaration and need of multi-band testing is removed and replaced by per-band testing.

The corresponding RAN5 CRs are listed below:

* + The corresponding CR to FR2 RefSens and EIS spherical PC3 MBR is attached in [1].
  + The corresponding CR to MB relaxation minimum requirements is attached in [2].

RAN5 kindly asks GCF CAG and PVG to take the above information into account.

**2. Actions:**

None

**3. Date of Next TSG-RAN WG5 Meetings:**

RAN5 #89-e November 11 – 20, 2020 Electronic meeting

RAN5 #90 March 1 – 5, 2021 Athens, GR