**3GPP TSG-RAN5 Meeting #95-e Draft3\_R5-2223635
Electronic Meeting, 9th May – 20th May 2022**

**Title:** LS on *ModifiedMPR-Behaviour* clarification for different power classes

**Response to:**

**Release:** Release 16

**Work Item:** NR\_RF\_FR2\_req\_enh-UEConTest

**Source:** TSG RAN WG5

**To:** TSG RAN WG4

**Cc:** N/A

**Contact Person:**

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**Attachments:**

**1. Overall Description:**

RAN5 has been analysing Rel-16 FR2 MPR enhancements added via NR\_RF\_FR2\_req\_enh work item

When defining test specification for FR2 MPR enhancements, RAN5 needed clarifications on *modifiedMPR-Behaviour* capability bit 0 in TS38.101-2 as listed below:

1. For Rel-15 PC3 UE, is the MPR as defined in 38.101-2 v16.2.0 applicable if the UE supports *modifiedMPR-Behaviour* bit 0 UE capability?
2. For Rel-15 PC2 and PC4 UEs, is *modifiedMPR-Behaviour* bit 0 capability applicable?
3. For Rel-16 PC3 UE, is the MPR as defined in 38.101-2 v16.2.0 mandatory or optional? In case it is mandatory then is the Rel-16 UE expected to signal *modifiedMPR-Behaviour* bit 0=true?
4. For Rel-16 PC3 UE, which version of specification is taken as default MPR requirement, 38.101-2 v16.2.0 or latest version (v16.11.0 released in Apr 2022)? What are the Rel-16 MPR requirements if the UE signals respectively *modifiedMPR-Behaviour* bit 0=false and *modifiedMPR-Behaviour* bit 0=true?
5. For Rel-16 PC2, PC4 and PC5 UEsis *modifiedMPR-Behaviour* bit 0 capability applicable?
6. For Rel-17 PC3 UE, what are the MPR requirements if the UE signals respectively *modifiedMPR-Behaviour* bit 0=false and *modifiedMPR-Behaviour* bit 0=true?

**2. Actions:**

**To RAN4 group.**

**ACTION:** RAN5 respectfully requests RAN4 group to provide feedback on the questions raised above.

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

TSG-RAN5 Meeting#96 15th – 26th August 2022 Online

TSG-RAN5 Meeting#97 14h – 18th November 2022 Canada

References

1. R4-2009169, “Indication of modified MPR behaviour for FR2 MPR enhancement”, Nokia, Nokia Shanghai Bell, RAN4#95, May 2020