**3GPP TSG RAN WG5 Meeting #93-e R5-217995**

**E-meeting, October 11th – 19th, 2021**

**Title:** draft LS on configuration of p-MaxEUTRA and p-NR-FR1

**Response to:**

**Release:** Rel-15

**Work Item:** NR\_newRAT-Core

**Source:** RAN WG5

**To:** RAN WG1, RAN WG2, RAN WG4

**Cc:**

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

RAN5 is working on RF test cases of power transmission for EN-DC configurations with power class 1.5 (29dBm). There are different opinions on whether the IEs p-MaxEUTRA and p-NR-FR1 shall be configured by the network when UE works in EN-DC connectivity mode.

According to clause 7.6.1 of TS 38.213, the IEs p-MaxEUTRA and p-NR-FR1 shall be configured to UE so that UE could determine the power transmission behaviour in the SCG, such as scaling down or dropping the transmission.

However there is an opinion that those IEs are indicated as optional in TS 36.331 and TS 38.331 and that UE operation for the PC 1.5 UE is specified by the normative text in TS 38.101-3 clauses 6.2B.1.1 and 6.2B.4.1.1. In addition some company believes if IEs p-MaxEUTRA and p-NR-FR1 are absent, value of 26dBm should be assumed and used as the default, although no default value is specified in TS 36.331 and TS 38.331.

RAN5 kindly request RAN1 RAN2 and RAN4 to clarify the power configuration scheme and associated signalling for EN-DC mode.

**2. Actions:**

**To:** RAN1:

**ACTION:** RAN5 kindly request RAN1 feedback on whether the RAN1 specifications require that the IEs p-MaxEUTRA and p-NR-FR1 are always configured by the network when UE works in EN-DC connectivity mode.

**To:** RAN2:

**ACTION:** RAN5 kindly request RAN2 feedback on whether the RAN2 specifications require that the IEs p-MaxEUTRA and p-NR-FR1 are always configured by the network when UE works in EN-DC connectivity mode and also consider updating the core specification to clarify the same.

**To:** RAN4:

**ACTION:** RAN5 kindly request RAN4 feedback on whether the RAN4 specifications require that the IEs p-MaxEUTRA and p-NR-FR1 are always configured by the network when UE works in EN-DC connectivity mode for UEs of power class 1.5 and other power classes.

**3. Date of Next TSG-RAN5 Meetings:**

3GPP RAN5#94-e 21 February – 4 March 2022 Online

3GPP RAN5#95-e 16 - 27 May 2022 Online