**3GPP TSG-RAN5 Meeting #91-e*Draft\_*R5-214045**

**Electronic Meeting, 17th May – 28th May 2021**

**Title:** LS on Applicability of E-UTRA anchor-agnostic approach applied RF test cases

**Source:** TSG RAN WG5

**To:** GCF CAG, PTCRB PVG

**Cc:**

**Contact Person:**

#### Name: Danni Song

#### E-mail Address: songdan@chinamobile.com

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

**1. Overall Description:**

During the recently completed RAN5#91-e meeting, CRs proposing updates to the titles of some of the test cases in TS 38.521-3 where E-UTRA anchor-agnostic approach is applied were agreed to account for the number of NR Carriers configured in the test case. These CRs are expected to be formally approved by the upcoming RAN#92-e meeting (14 – 18 June 2021) and then implemented in the next version of TS 38.521-3 to be published in July 2021.

As an example, in one of the agreed CRs, title of the test case 7.4B.4\_1.1 is proposed to be updated to “Maximum Input Level for Inter-Band EN-DC including FR2 (2 NR CCs)”, where “2 NR CCs” means, 2 NR CCs are being configured within the test case. RAN5 agreement is E-UTRA anchor-agnostic test cases can be applied to testing EN-DC UE supporting "xNR+yLTE"(x≥1, y=1) or "xNR+yLTE" (x≥1, y>1) , by having “any” 1 LTE CC and “all” NR CCs configured in the test.

Since the E-UTRA link is always a functional link for the E-UTRA anchor-agnostic testing, it is sufficient to configure any one E-UTRA carrier from the carrier group. Besides, the E-UTRA anchor-agnostic test cases can be skipped, if the UE also supports SA and the corresponding SA test cases have been executed. For further detailed information about E-UTRA anchor-agnostic approach, please refer to clauses 4.6 and 4.7 in TS 38.521-3.

RAN5 has always applied the E-UTRA anchor-agnostic approach in FR2 NSA RF test cases. The current RAN5 test execution guideline is, if an FR2 E-UTRA anchor-agnostic test case has been executed, the corresponding SA test case can be skipped.

Unless otherwise stated, the number of component carriers (CCs) included in the test case titles of clauses 6 and 7 refers to the number of component carriers configured within the test case.

RAN5 intends to update the titles of other test cases in TS 38.521-3 where E-UTRA anchor-agnostic approach is applied based on the above mentioned agreement. Few examples are cited below:

* 7.7B.2 Spurious Response for intra-band non-contiguous EN-DC in FR1 (2 CCs)
	+ “2CCs” -> “1 NR CC’ which means 1 NR CC is configured within the test case
* 7.8B.2.2 Wideband Intermodulation for intra-band non-contiguous EN-DC in FR1
	+ “1 NR CC” will be added to the test case title, which means 1 NR CC is configured within the test case

**2. Actions:**

**To:** GCF CAG, PTCRB PVG

**ACTION:** RAN5 kindly requests GCF CAG and PTCRB PVG to take the above mentioned TS38.521-3 test case title changes and agreement into consideration for certification.

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

TSG-RAN5 Meeting#92-e 16th – 27th Aug 2021 Electronic Meeting

TSG-RAN5 Meeting#93-e 8th – 19th Nov 2021 Electronic Meeting