**3GPP TSG-RAN5 Meeting #91-eR5-213822**

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

**Title:** LSon FR2 ETC testing

**Source:** TSG RAN WG5

**To:** GCF CAG, PTCRB PVG

**Cc:**

**Contact Person:**

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**1. Overall Description:**

RAN5 has recently confirmed the feasibility of testing FR2 test cases under extreme temperature condition. As a conclusion, FR2 OTA test systems will add extreme temperature condition testing capabilities with measurement uncertainties being slightly higher compared to testing with the systems under nominal conditions.

The following test cases were updated to include extreme temperature conditions in the initial conditions:

* 38.521-2 (FR2 standalone):
  + 6.2.1.1 UE maximum output power - EIRP
  + 6.4.1 Frequency error
  + 7.3.2 Reference sensitivity power level
* 38.521-3 (Inter-band EN-DC including FR2):
  + 6.2B.1.4.1 UE Maximum Output Power for Inter-Band EN-DC including FR2 - EIRP
  + 6.4B.1.4 Frequency Error for inter-band EN-DC including FR2
  + 7.3B.2.4 Reference sensitivity for Inter-band EN-DC including FR2

Additional test cases with extreme testing conditions could be included in RAN5 specifications in future RAN5 meetings.

**2. Actions:**

**To:** GCF CAG, PTCRB PVG groups.

**ACTION:** RAN5 kindly asks GCF CAG and PTCRB PVG groups to take note of above information in case any change is required in validation databases and to follow RAN5 specifications for future updates regarding FR2 extreme temperature conditions.

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

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

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