**3GPP TSG-RAN WG4 Meeting #99-e R4-2108658   
Electronic Meeting, May 19-27, 2021**

**Agenda item: 10.1.1**

**Source: vivo**

**Title: TP to TR38.884 v0.3.0 on Environment conditions**

**Document for: Approval**

# 1 Introduction

The scope the FR2 test methods SI includes the development of test methods for both NTC and ETC test cases [1-4], the environment condition and applicability should be added in the TR to reflect the agreements.

This contribution provides the text proposals on Environment conditions to TR 38.884.

# 2 Discussion

The ETC test method has been defined in the TR 38.884, however, the applicability of each RF requirement should follow the decision in TS 38.101-2. This information is added in the Temperature conditions part.

# 3 References

1. RP-210633, Revised SID: Study on enhanced test methods for FR2, Apple Inc., vivo, 3GPP TSG-RAN Meeting #91, March 2021
2. R4-2017596, WF on extreme temperature conditions for all applicable FR2 UE RF test cases, vivo, RAN4#97e
3. R4-2103920, “WF on ETC and test time reduction”, vivo, RAN4#98e
4. R4-2106127, WF on agreements and remaining issues with FR2 test method enhancements, Apple, RAN4#98bis-e, April 2021

# 4 Text Proposal to TR 38.884

**--------------Start of text proposal -------------**

Annex A:  
Environment conditions

# A.1 Operating voltage

For the operating voltage of FR2, the voltage condition is specified in Clause E.2.2 in TS 38.101-2 [2].

# A.2 Temperature

Table A.2-1: Temperature conditions

|  |  |
| --- | --- |
| + 25 ⁰C ± 10 ⁰C | For normal (room temperature) conditions with relative humidity of 25 % to 75 % |
| -10°C to +55°C | For extreme conditions |

Whether the RF test cases should be performed with normal condition or extreme conditions should follow the RF requirement applicability defined in TS38.101-2 [2].

**--------------End of text proposal -------------**