**3GPP TSG- Meeting # *draft R4-2413503***

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** | **1** | **Current version:** |  |  |
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| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network |  |

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| ***Title:***  |  |
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| ***Source to WG:*** |  |
| ***Source to TSG:*** |  |
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| ***Work item code:*** |  |  | ***Date:*** |  |
|  |  |  |  |  |
| ***Category:*** |  |  | ***Release:*** |  |
|  | *Use one of the following categories:****F*** *(correction)****A*** *(mirror corresponding to a change in an earlier release)****B*** *(addition of feature),* ***C*** *(functional modification of feature)****D*** *(editorial modification)*Detailed explanations of the above categories canbe found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | *Use one of the following releases:Rel-8 (Release 8)Rel-9 (Release 9)Rel-10 (Release 10)Rel-11 (Release 11)…Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19) Rel-20 (Release 20)* |
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| ***Reason for change:*** | Based on related discussion paper in R4-2413246, in this CR we reflect testing limitations as captured in TS 38.521-2, which were referred in TS 38.115-2 specification for the purpose of MT-specific test of NCR type 2-O (LA class). |
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| ***Summary of change:*** | Introduction of clarification of DUT size restrictions. Introduction of clarification Notes for OTA maximum input level, ACS, and blocking characteristics.  |
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| ***Consequences if not approved:*** | TS 38.115-2 would refer to FR2 UE test requirements, without reflecting testing restrictions captured in TS 38.521-2. |
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| ***Clauses affected:*** | 4.1.1, 6.13.5, 6.14.5, 6.15.5 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

*------------------------------ Modified section ------------------------------*

# 4 General radiated test conditions and declarations

## 4.1 Measurement uncertainties and test requirements

### 4.1.1 General

The requirements of this clause apply to all applicable tests in part 2 of this specification, i.e. to all radiated tests defined for FR2. The FR2 frequency range is defined in clause 5.1 of TS 38.106 [2].

The minimum requirements are given in TS 38.106 [2]. Test Tolerances for the radiated test requirements explicitly stated in the present document are given in annex C of the present document.

Test Tolerances are individually calculated for each test. The Test Tolerances are used to relax the minimum requirements to create test requirements.

When a test requirement differs from the corresponding minimum requirement, then the Test Tolerance applied for the test is non-zero. The Test Tolerance for the test and the explanation of how the minimum requirement has been relaxed by the Test Tolerance are given in annex C.

Reuse of Test Tolerance values from TS 38.521-2 [20] for the purpose of MT-specific test requirements is subject to the following conditions:

- NCR test methodology follows test procedures in TS 38.521-2 [20],

- Max device size ≤ 30 cm.

Otherwise, reuse of Test Tolerance values from TS 38.521-2 [x] for the purpose of MT-specific test requirements may not be justified for some NCR products.

*------------------------------ Next modified section -------------------------*

### 6.13.5 Test requirements

For *NCR type 2-O* of LA class, the test requirement for OTA maximum input level is defined in TS 38.521-2 [20], clause 7.4.5.

This test requirement applies at MT RIB only.

NOTE: According to TS 38.521-2 [20], the minimum conformance requirements in OTA maximum input level test cases are not testable due to maximum input level unachievable in IFF OTA test setup.

*------------------------------ Next modified section -------------------------*

### 6.14.5 Test requirements

For *NCR type 2-O* of WA class, the test requirement for OTA ACS is defined in TS 38.176-2 [21], clause 7.5.1.5.3.

For *NCR type 2-O* of LA class, the test requirement for OTA ACS is defined in TS 38.521-2 [20], clause 7.5.5.

NOTE: According to TS 38.521-2 [20], multiple cases of the OTA ACS requirement for *NCR type 2-O* of LA class cannot be tested due to testability issue. For more details, refer to TS 38.521-2 [20], clause 7.5.5.

This test requirement applies at MT RIB only.

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### 6.15.5 Test requirements

For *NCR type 2-O* of WA class, the test requirement for OTA blocking is defined in TS 38.176-2 [21], clause 7.5.2.5.3.

For *NCR type 2-O* of LA class, the test requirement for OTA blocking is defined in TS 38.521-2 [20], clause 7.6.2.5.

NOTE: According to TS 38.521-2 [20], multiple cases of the OTA blocking requirement for *NCR type 2-O* of LA class cannot be tested due to testability issue. For more details, refer to TS 38.521-2 [20], clause 7.6.2.5.

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