3GPP TSG-RAN WG4 Meeting # 104-e R4-221xxxx

Electronic Meeting, August 15 – August 26, 2022

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.113** | **CR** |  | **rev** |  | **Current version:** | **15.16.0** |  |
|  | | | | | | | | |
| *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:*** | Big CR for TS 38.113 Maintenance (Rel-15, CAT F) | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | R4 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI15, NR\_newRAT-Core | | | | |  | ***Date:*** | | | 2022-08-30 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-15 |
|  | *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 can be 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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | This big CR includes the following draft CR endorsed in RAN4#104-e:     1. R4-2214029: Referring to TS 38.113 table 7.1-1, it was noticed that the applicability of the Radiated emission requirement fpr the BS is ambiguous due to lack of the note number. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correction of the note number in table 7.1-1 for the Radiated emission requirement applicability. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Ambiguous note would remain, causing confusions on the applicability of the Radiated emission requirements applicability. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.1, 7.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

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

# 7 Applicability overview

## 7.1 Emission

Table 7.1-1: Emission requirements applicability

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Phenomenon | Application | Equipment test requirement | | Reference  clause in the present document | Reference  standard |
|  |  | BS equipment | Ancillary equipment |  |
| Radiated emission | Enclosure | applicable for *BS type 1-C* and *BS type 1-H*  (Note 1) | not applicable | 8.2.1 | ITU-R SM.329 [24] |
| Radiated emission | Enclosure of *ancillary equipment* | not applicable | applicable | 8.2.2 | CISPR 32 [11] |
| Conducted emission | DC power input/output port | applicable | applicable | 8.3 | CISPR 32 [11] |
| Conducted emission | AC mains input/output port | applicable | applicable | 8.4 | CISPR 32 [11] |
| Conducted emission | *Telecommunication port* | applicable | applicable | 8.5 | CISPR 32 [11] |
| Harmonic current emissions | AC mains input port | applicable | applicable | 8.6 | IEC 61000-3-2 [13] or  IEC 61000-3-12 [14]  (NOTE 2) |
| Voltage fluctuations and flicker | AC mains input port | applicable | applicable | 8.7 | IEC 61000-3-3 [15] or  IEC 61000-3-11 [16]  (NOTE 2) |
| NOTE 1: Radiated emission requirements for *BS type 1-O* and *BS type 2-O* are described in clause 8.2.1.  NOTE 2: Selection of the reference IEC specification is based on the rated input current of the EUT’s power supply. | | | | | |

## 7.2 Immunity

Table 7.2-1: Immunity requirements applicability

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Phenomenon | Application | Equipment test requirement | | Reference  clause in the present document | Reference  standard |
|  |  | BS equipment | Ancillary equipment |  |
| RF electro­magnetic field (80 – 6000 MHz) | Enclosure | applicable | applicable | 9.2 | IEC 61000‑4‑3 [18] |
| Electrostatic discharge | Enclosure | applicable | applicable | 9.3 | IEC 61000‑4‑2 [17] |
| Fast transients common mode | Signal, telecommunications and control ports, DC and AC power input ports | applicable | applicable | 9.4 | IEC 61000‑4‑4 [19] |
| RF common mode  0.15 - 80 MHz | Signal, telecommunications and control ports, DC and AC power input ports | applicable | applicable | 9.5 | IEC 61000‑4‑6 [21] |
| Voltage dips and interruptions | AC mains power input *port*s | applicable | applicable | 9.6 | IEC 61000‑4‑11 [22] |
| Surges, common and differential mode | AC power input *port*s and *telecommunications port* | applicable | applicable | 9.7 | IEC 61000‑4‑5 [20] |

*------------------------------ End of modified section ------------------------------*