**3GPP TSG-RAN WG4 Meeting # 112 *R4-2413497***

**Fukuoka, JP, May.20 - May.24, 2024**

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| *CR-Form-v12.3* |
| **CHANGE REQUEST** |
|  |
|  | **38.106** | **CR** | **0084** | **rev** | **1** | **Current version:** | **18.5.0** |  |
|  |
| *For* ***HE******LP*** *on using this form: comprehensive instructions can be found at 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:***  | CR for TS 38.106, Correction on antenna connector and TAB connector related symbols for NCR |
|  |  |
| ***Source to WG:*** | CATT |
| ***Source to TSG:*** | R4 |
|  |  |
| ***Work item code:*** | NR\_netcon\_repeater-Core |  | ***Date:*** | 2024-06-20 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-18 |
|  | *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. | *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:*** | To correct the antenna connector and TAB connector related symbols for NCR-MT. |
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| ***Summary of change:*** | The missed symbols for NCR are to be supplemented.3.2 Symbols |
|  |  |
| ***Consequences if not approved:*** | The antenna connector and TAB connector related symbols of NCR would be missing. |
|  |  |
| ***Clauses affected:*** | 3.2 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** | **X** |  |  Test specifications | TS 38.115-1, TS 38.115-2 |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** | Revised from R4-2411055 |

<Start of Change>

3 Definitions of terms, symbols and abbreviations

## 3.2 Symbols

For the purposes of the present document, the following symbols apply:

BWConfig *Transmission bandwidth configuration*, where BWConfig = *N*RB x SCS x 12

BWNominal Nominal channelbandwidth

BWPassband *Passband* bandwidth

Δf Separation between the *passband edge* frequency and the nominal -3 dB point of the measuring filter closest to the carrier frequency

Δfmax f\_offsetmax minus half of the bandwidth of the measuring filter

ΔfOBUE Maximum offset of the *operating band* unwanted emissions mask from the *operating band* edge

FDL,low The lowest frequency of the downlink *operating band*

FDL,high The highest frequency of the downlink *operating band*

FFBWhigh Highest supported frequency within supported operating band, for which *fractional bandwidth* support was declared

FFBWlow Lowest supported frequency within supported operating band, for which *fractional bandwidth* support was declared

Ffilter Filter centre frequency

Foffset,high Frequency offset from FC,high to the upper *passband edge*

Foffset,low Frequency offset from FC,low to the lower *passband edge*

f\_offset Separation between the *passband edge* frequency and the centre of the measuring

f\_offsetmax The offset to the frequency ΔfOBUE outside the *operating band*

Fstep,X Frequency steps for the OTA transmitter spurious emissions (Category B)

FUL,low The lowest frequency of the uplink *operating band*

FUL,high The highest frequency of the uplink *operating band*

PEM,n50/n75,ind Declared emission level for Band n50/n75; ind = a, b

PEM,n54,ind Declared emission level for Band n54; ind = a, b, c, d, e, f

Pmax,c,AC*Maximum carrier output power* measuredper *antenna connector*

Prated,c,AC The *rated carrier output power per antenna connector*

Prated,c,sys The sum of Prated,c,TABC for all *TAB connectors* for a single carrier

Prated,c,TABC The *rated carrier output power per TAB connector*

Prated,p,AC Rated passband output power per antenna connector

Prated,p,TABC The *rated passband output power per TAB connector*

Prated,t,AC Rated total output power declared per antenna connector

Prated,t,TABC The *rated total output power* declared at *TAB connector*Prated,p,EIRP Rated passband EIRP output power

Prated,p,TRP Rated passband TRP output power declared per RIB

Prated,t,TRP Rated total TRP output power declared per RIB

Pin,p,AC Input power intended to produce the maximum rated output power (Prated,p,AC) at the *antenna connector*

Pin,p,TABC Input power intended to produce the maximum rated output power (Prated,p,TABC) at the *TAB connector*

Pin,p,EIRP Input power intended to produce the maximum rated output power (Prated,p,TRP) at the RIB

Prated,out,FBWhigh The rated output EIRPfor the higher supported frequency range within supported *operating band,* for which *fractional bandwidth* support was declared

Prated,out,FBWlow The rated output EIRP for the lower supported frequency range within supported *operating band,* for which *fractional bandwidth* support was declared

Pmax,p,AC *Maximum passband output power* measuredper *antenna connector*

Pmax,p,TABC The *maximum passband output power per TAB connector*

Pmax,p,EIRP *Maximum passband EIRP output power* when repeater is configured at the rated passband TRP output power (Prated,p,TRP)

Pmax,p,TRP *Maximum passband TRP output power* measuredper RIB

Wgap *Inter passband Bandwidth gap* size

<End of Change>