**3GPP TSG-RAN WG4 Meeting #116 R4-2413518**

**Bengaluru (Bangalore), India, 25th – 29th August, 2025**

**Title:** WF on introduction of PC 1.5 and 2 in bands n100 and n101

**Agenda Item:** 6.1

**Source:** Nokia

**Document for:** Approval

**Agreements:**

Issue 1: Reference PA design

Use PC1 PA as reference.

Issue 2: ACLR requirements

Add a new 37 dB ACLR table for PC 1.5 and PC 2 in bands n100 and n101.

**Table 6.5.2.4.1-3: NR ACLR requirement for FRMCS PC1.5 and PC2 in bands n100 and n101**

|  |  |  |
| --- | --- | --- |
|  | **Power class 1.5** | **Power class 2** |
| **NR ACLR** | 37 dB | 37 dB |
| NOTE: PC2 in Band n100 and PC2 and PC1.5 in Band n101 is allowed only for FRMCS cab-radio’s, i.e. user equipment installed on trains with external antenna on top of the train roof at approximately 4m over ground, that also support PC1. | | |

Issue 3: MPR requirements

TBD between the options below:

Option 1: Use PC1 MPR.

Option 2: Use PC1.5 and PC2 MPR.

Issue 4: A-MPR requirements

No new A-MPR.

Issue 5: MSD requirements

No MSD.