**3GPP TSG-RAN WG4 Meeting #110 R4-241076**

**Athens, Greece, 26th February – 1st March 2024**

**Agenda item:** 9.3.4

**Source:** Moderator (AT&T)

**Title:** Topic summary for [110][117] HPUE\_LTE\_FDD\_B14

**Document for:** Information

# Introduction

This document summarizes the contributions submitted under agenda item 9.3. The topics that are covered include maximum output power and tolerance and A-MPR for NS\_06 for PC2 UE. This topic summary has focused on the items requiring discussion. Any endorsement/approval of CRs and TPs will be handled online.

# Topic #1: Maximum Output Power and Tolerance

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-240693 | AT&T, FirstNet | Proposal: A text proposal for TP for TR 36.770 to add content to the UE maximum output power clause which proposes an MOP tolerance of +/- 2dB.The proposed tolerance is in line with other single Tx MOP tolerances for PC2 in LTE core specification. |
| R4-241528 | vivo | Proposal: To follow legacy PC2 RF requirement, option 2 is proposed. |

## Open issues summary

### Sub-topic 1-1

**Issue 1-1: Maximum output power tolerance**

* Proposals
	+ Option 1: Maximum output power tolerance of +/-2 dB.
	+ Option 2: Maximum output power tolerance of +2/-3 dB.
* Recommended WF
	+ TBA

# Topic #2: A-MPR for NS\_06 for PC2 UE

## Companies’ contributions summary

|  |  |  |
| --- | --- | --- |
| **T-doc number** | **Company** | **Proposals / Observations** |
| R4-2400172 | Apple | Proposal: Define A-MPR for NS\_06 according to Table 2.Table 2: Additional Maximum Power Reduction (A-MPR) for Power Class 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Channel bandwidth****[MHz]** | **Parameters** | **Region A** | **Region B** | **Region C** |
| 1.4 | RBstart [RB] | ≥ 0 | ≤ 0 | ≥ 4 |
| LCRB [RB] | > 2 | ≤ 2 | ≤ 2 |
| A-MPR [dB] | 0.5 | 0.5 | 0.5 |
| 3 | RBstart [RB] | ≥ 0 | ≤ 0 | ≥ 13 |
| LCRB [RB] | > 4 | ≤ 2 | ≤ 2 |
| A-MPR [dB] | 0.5 | 0.5 | 0.5 |
| 5 | RBstart [RB] | ≥ 0 | ≤ 0 | ≥ 23 |
| LCRB [RB] | > 6 | ≤ 2 | ≤ 2 |
| A-MPR [dB] | 0.5 | 0.5 | 0.5 |
| 10 | RBstart [RB] | ≥ 0 | ≤ 0 | ≥ 48 |
| LCRB [RB] | > 10 | ≤ 2 | ≤ 2 |
| A-MPR [dB] | 0.5 | 0.5 | 0.5 |

 |
| R4-2400694 | AT&T, FirstNet, Apple | Proposal: A text proposal for TP for TR 36.770 to add content to the A-MPR clause based on the proposal in the Apple contribution R4-2400172. |

## Open issues summary

### Sub-topic 2-1

**Issue 2-1: A-MPR for NS\_06 for PC2 UE**

* Proposals
	+ Option 1: Agree to the proposed A-MPR for NS\_06 for PC2 according to the table above.
	+ Option 2: Agree to the proposed A-MPR for NS\_06 for PC2 according to the table above but modify RBstart to “0” for Region B.
	+ Option 3: Others.
* Recommended WF
	+ Option 2.

### Sub-topic 2-2

**Issue 2-2: TP for TR 36.770 A-MPR requirements**

* Proposals
	+ Option 1: Agree to the text proposal.
	+ Option 2: Revise the text proposal based on the outcome of Issue 2-1.
* Recommended WF
	+ Option 2.