**3GPP TSG-RAN WG4 Meeting #116 R4-2511174
Bangalore, India, 25th – 29th Aug 2025**

**Title: WF for AMPR alignment between FDD PC2 and PC3**

**Source: OPPO, Skyworks, [ ]**

**Agenda item: 4.2.1**

**Document for: Approval**

# Introduction

Below captures the WF for AMPR alignment between FDD PC2 and PC3 for future FDD HPUE AMPR requirement definition.

# AMPR for PC2 compare with PC3

WF:

* The total power back off (ΔOBOtotal(1T) and ΔOBOtotal(2T) ) shall not be higher than 3dB for PC2 than PC3.
	+ ΔOBOtotal(1T) = max (MPRPC2(1T), A-MPRPC2(1Tx)) – max (MPRPC3(1T), A-MPRPC3(1T))
	+ ΔOBOtotal(2T) = max (MPRPC2(2T), A-MPRPC2(2Tx)) – max (MPRPC3(2T), A-MPRPC3(2T))

# AMPR for 2T compare with 1T in PC2

WF:

* One AMPR table apply for both PC2 1T and 2T.
* 0.7dB is applied for all modulation orders for 2T AMPR comparing to 1T AMPR to account for the RIMD impact if the ΔOBOtotal(2T) is no larger than 3dB, otherwise, ΔOBOtotal(2T) = 3dB is applied.

# AMPR regions between PC3 and PC2

WF:

* In future, when providing AMPR triangles, the MPR shall be subtracted from the results to align the pure AMPR region.
* When providing proposals for A-MPR values, companies are encouraged provide the delta total backoff (ΔOBOtotal ) between PC2 and PC3 to facilitate cross check