Access-uplink closed loop power control by MMR-BS or RS in MMR system

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Yong Su Lee, Young-il Kim, Su Chang Chae
ETRI
161 Gajeong-dong, Yuseong-gu
Daejeon, Korea 305-700

Kyu Ha Lee, Chang Kyoon Kim, Yong Wook Lee
Samsung Thales
San 14, Nongseo-dong, Giheung-gu
Yongin, Gyeonggi-do, Korea 449-712

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Yong Su Lee, Young-il Kim, Su Chang Chae, Kyu Ha Lee, Chang Kyooon Kim, Yong Wook Lee

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Objectives of this Contribution

- We propose new MAC messages between MMR-BS and RS for access-uplink closed loop power control.

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MMR-BS

Relay-DL  Newly created message
A-UL_PMC_RSP

Relay-UL  Newly created message
A-UL_PMC_REQ

RS

MS

Access-DL

Access-UL```

Who does control the MS’s transmission power level? (1)

MMR_BS-controlled access-UL power control mode (MODE-A)

- Default mode
Who does control the MS’s transmission power level (2)

RS-controlled access-UL power control mode (MODE-B)

- MODE-B is started after MMR-BS’s decision from MODE-A to this mode
- MODE-B is more faster power control than MODE-A in multi-hop case
Summary

1. We propose new MAC messages (A-UL_PMC_REQ, A-UL_PMC_RSP) between MMR-BS and RS for access-UL power control mode change request and response
2. Actually we use a legacy message for MS’s identification of its power adjustment level because of backward compatibility
Proposed Text Changes

Refer to “C80216j-06_244.doc”