| Project | IEEE 802.16 Broadband Wireless Access Working Group http://ieee802.org/16 Proposed text related to Interference Mitigation in Femto ABS for the IEEE802.16m/D2 (15.4.11) | |
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| Title | | |
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| Source(s) | Linghang Fan, Andreas Maeder, Nader Zein, Hassan Al-kanani, Tetsu Ikeda NEC | [Linghang.fan, nader.zein, hassan.alkanani] @eu.nec.com andreas.maeder@nw.neclab.eu, t-ikeda@ap.jp.nec.com |
| Re: | LB comment to 802.16m Amendment Working Document D2 | |
| Abstract | This contribution is to propose detail description on IM | |
| Purpose | Update P802.16m/D2 by discussion and adoption | |
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Proposed text related to Interference Mitigation in Femto ABS for the IEEE802.16m/D2 (15.4.11)

Linghang Fan, Andreas Maeder, Nader Zein, Hassan Al-kanani, Tetsu Ikeda

NEC

1. Introduction

2. Proposed Texts

Section 15.4.11 in D2 has defined the procedures for interference avoidance and interference mitigation. The received signaling power from the adjacent cells has been classified as interference, without emphasizing on the need to distinguish the interference sources. However, in the hierarchical and dense deployed femtocell environment, the femtocell BSs must identify each major interference source, and then apply interference mitigation schemes targeting the identified interference sources. This is clearly missed in the current draft.

| Text Start |
|--|
| Remedy 1 : [Insert texts as suggested below: Page 551, Line 14] |
| 15.4.11 Interference Avoidance and Interference Mitigation |
| The serving Femto ABS can request its AMS(s) to report the signal strength measurement of neighbor ABSs, including macro and/or Femto ABSs, via AAI_SCN-RSP. Based on the scanning result, the serving femto ABS should identify the interfering Femto ABS(s) and/or macro ABS(s), and can mitigate interference by reducing its transmission power, and/or blocking the interference related resource region. Cooperation between multiple ABSs may be applied. |
| Text End |