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2013 International Conference of Information and Communication Technology, ICoICT 2013
2013, Article number 6574572, Pages 192-197
2013 International Conference of Information and Communication Technology, ICoICT 2013; Bandung; Indonesia; 20
March 2013 through 22 March 2013; Category numberCFP13ICZ-ART; Code 99061

Simulation and analysis of interference avoidance using fractional frequency reuse (FFR) method in LTE femtocell (Conference Paper)

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Abstract

There for another way is needed to keep LTE reliable when use in indoor. Femtocell is the solution of the problem. But femtocell uses the same frequency spectrum as any other broadband services. The more femtocell used in an area, overall networks capacity will be disturbed by cochannel interference. © 2013 IEEE.

SciVal Topic Prominence ⓘ

Topic: Femtocell | Heterogeneous networks | femtocell network

Prominence percentile: 97.014 ⓘ

Author keywords

Femtocell Fractional Frequency Reuse Interference Avoidance LTE

Indexed keywords

Engineering uncontrolled terms

Broadband service Fractional Frequency Reuse Fractional frequency reuses (FFR) Frequency spectra Interference avoidance LTE Overall networks Simulation and analysis

Engineering controlled terms:

Communication systems Information technology

Engineering main heading:

Femtocell

ISBN: 978-146734992-5
Source Type: Conference Proceeding
Original language: English

DOI: 10.1109/ICoICT.2013.6574572
Document Type: Conference Paper
Sponsors: InstitutTeknologi Telkom,IEEE Indonesia Section,The Ministry of Information and Communication,PT. Telkom Indonesia,PT. Telkomsel

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Cited by 4 documents

Ting, K.-C. , Lin, W.Y. , Wang, C.-P.

A distributed power control scheme for the mitigation of co-tier downlink interference for femtocell in the future 5G networks

(2018) *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST*

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Advanced interference aware power control (AIAPC) scheme design for the interference mitigation of femtocell co-tier downlink in LTE/LTE-A and the future 5G networks

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