

Relay-Station Power Control and Channel Reuse

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Peter Wang, Tony Reid
Nokia
6000 Connection Drive, Irving, TX

Voice: +1 214-912-4613
Fax:
E-mail: peter.wang@nokia.com

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Purpose:

Propose the text regarding relay-station power control and channel reuse

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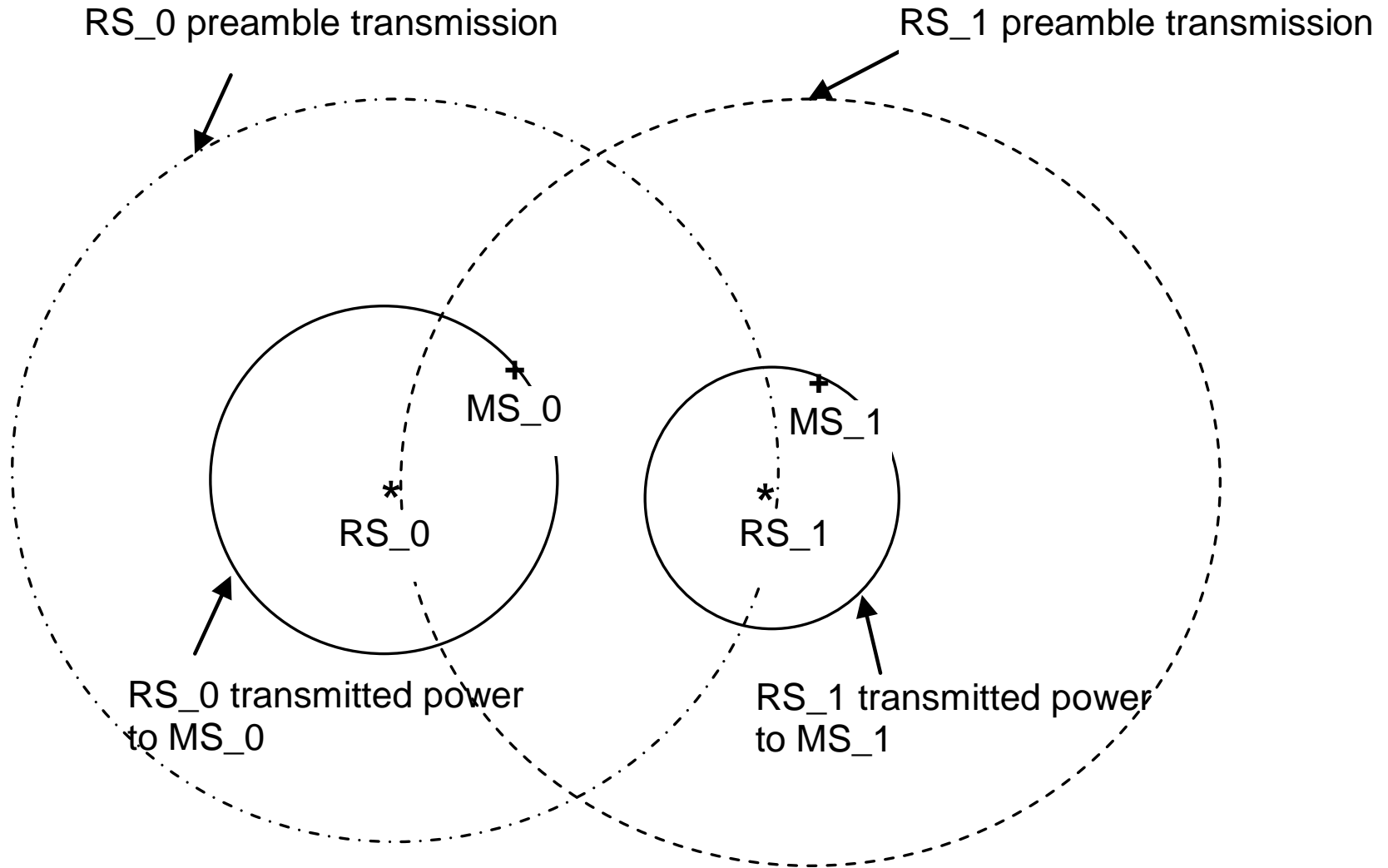
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Introduction

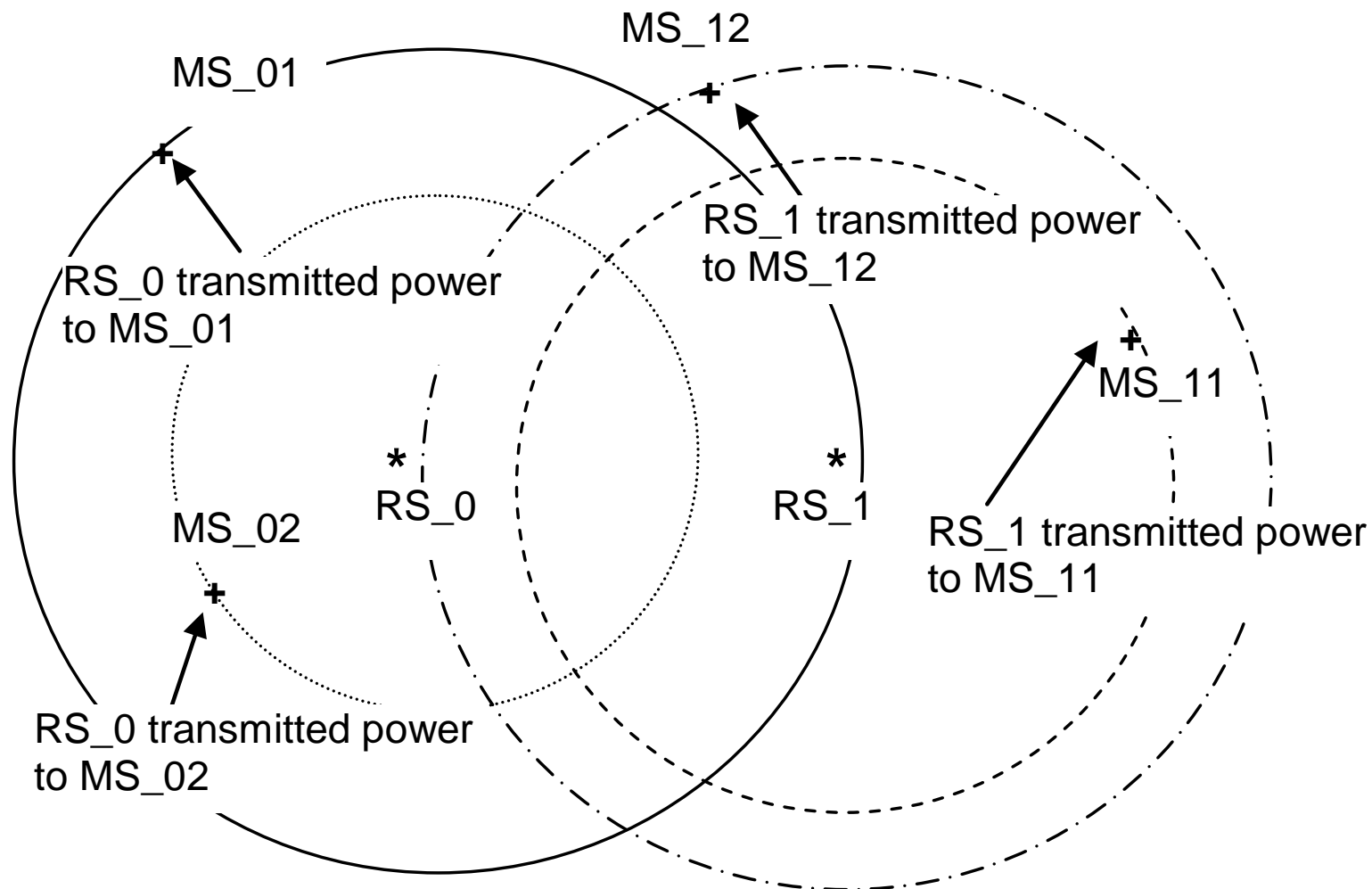
- Reduce channel interference, RS power control applying to each MS data burst
- Increasing channel reuse, network management to group the set of MSs from each of different RSs

RS Power Control for Each MS Data Burst



MS_0 and MS_1 can have channel reuse without interference

Channel Reuse Grouping Handled by Network Management



The 1st group of MS_01 & MS_11 and a 2nd group of MS_02 & MS_12 can have channel reuse without interference, but MS_01 & MS_12 would not be an accepted group for channel reuse due to interference.

Summary

- RS power control + Network management => Channel reuse
=> SDMA
- Proposing RS power control to each data burst transmission