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**Universal Mobile Telecommunications System (UMTS);
Universal Terrestrial Radio Access (UTRA)
repeater planning guidelines and system analysis
(3GPP TR 25.956 version 13.0.0 Release 13)**



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1 Scope

The purpose of the following document is to describe planning guidelines and system scenarios for UTRA repeaters. In addition it also contains simulations and analysis of the usage of repeaters in UMTS networks.

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non-specific.
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[1] 3GPP TR 25.942

[2] R4-030365

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply, unless otherwise stated:

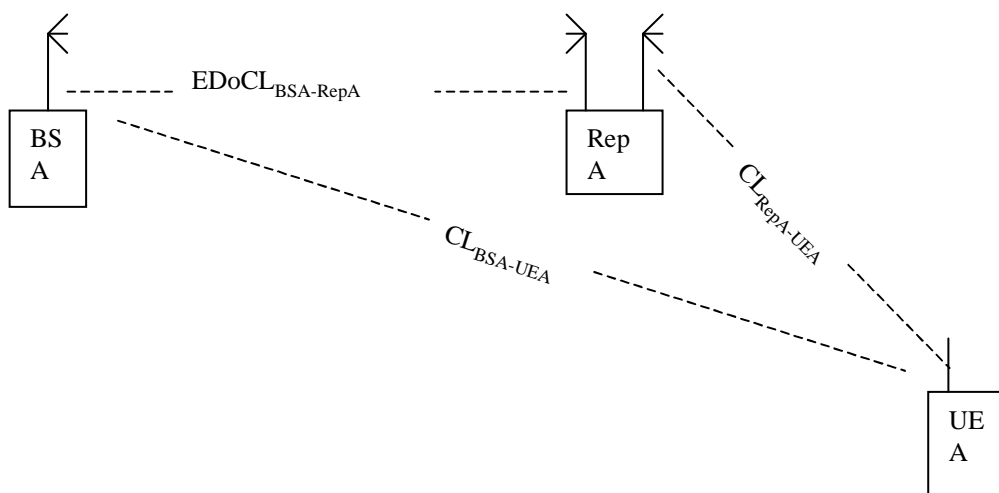


Figure 3.1

$ACRR_{RepA}$	Adjacent Channel Rejection Ratio for repeater A.
ACG_{RepA}	Adjacent Channel Gain for repeater A.
$CL_{BSA-UEA}$	Coupling Loss between Base Station A and the User Equipment A.
$CL_{RepA-UEA}$	Coupling Loss between Repeater A and User Equipment A.
d_{RepA}	Group delay of repeater A.
$EDoCL_{BSA-RepA}$	Effective Donor Coupling Loss between the donor Base Station A and the Repeater A.