ETSI TS 136 106 V13.0.0 (2016-01)

LTE;
Evolved Universal Terrestrial Radio Access (E-UTRA);
FDD repeater radio transmission and reception
(3GPP TS 36.106 version 13.0.0 Release 13)

Reference
RTS/TSGR-0436106vd00

Keywords
LTE

ETSI

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Contents

Foreword

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1 Scope

The present document establishes the minimum RF characteristics of E-UTRA FDD Repeater.

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.
- For a specific reference, subsequent revisions do not apply.
- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] ITU-R Recommendation SM.329, "Unwanted emissions in the spurious domain".

[3] ITU-R Recommendation M.1545: 'Measurement uncertainty as it applies to test limits for the terrestrial component of International Mobile Telecommunications-2000'.

[4] 3GPP TS 36.143: 'Evolved Universal Terrestrial Radio Access (E-UTRA); FDD Repeater conformance testing'

[5] 3GPP TR 25.942: "RF system scenarios".

[6] 3GPP TS.36.104: "E-UTRA Base Station (BS) radio transmission and reception".

[7] IEC 60721-3-3 (2002): "Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 3: Stationary use at weather protected locations".

[8] IEC 60721-3-4 (1995): "Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 4: Stationary use at non-weather protected locations".

[9] CEPT ECC Decision (13)03, "The harmonised use of the frequency band 1452-1492 MHz for Mobile/Fixed Communications Networks Supplemental Downlink (MFCN SDL)".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the terms and definitions given in TR 21.905 [1] and the following apply. A term defined in the present document takes precedence over the definition of the same term, if any, in TR 21.905 [1].

Carrier: The modulated waveform conveying the E-UTRA or UTRA physical channels

Channel bandwidth: The RF bandwidth supporting a single E-UTRA RF carrier with the transmission bandwidth configured in the uplink or downlink of a cell. The channel bandwidth is measured in MHz and is used as a reference for transmitter and receiver RF requirements.

Channel edge: The lowest and highest frequency of the E-UTRA carrier, separated by the channel bandwidth.