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Technical Specification

**3rd Generation Partnership Project;
Technical Specification Group RAN;
UTRA Repeater; Conformance Testing;
(Release 2000)**



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Foreword

This Technical Specification has been produced by the 3rd Generation Partnership Project (3GPP).

The contents of the present document are subject to continuing work within the TSG and may change following formal TSG approval. Should the TSG modify the contents of the present document, it will be re-released by the TSG with an identifying change of release date and an increase in version number as follows:

Version x.y.z

where:

- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
 - 3 or greater indicates TSG approved document under change control.
- y the second digit is incremented for all changes of substance, i.e. technical enhancements, corrections, updates, etc.
- z the third digit is incremented when editorial only changes have been incorporated in the document.

1 Scope

The present document specifies the Radio Frequency (RF) test methods and conformance requirements for UTRA Repeaters. These have been derived from, and are consistent with the UTRA Repeater specifications defined in [<TBD>].

This document establishes the minimum RF characteristics of the UTRA 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.

3 Definitions, symbols and abbreviations

3.1 Definitions

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

Repeater	A device that receives, amplifies and transmits the radiated RF carrier both in the down-link direction (from the base station to the mobile area) and in the up-link direction (from the mobile to the base station)
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3.2 Symbols

For the purposes of the present document, the following symbols apply:

<symbol> <Explanation>

3.3 Abbreviations

For the purposes of the present document, the following abbreviations apply:

<ACRONYM> <Explanation>

4 Frequency bands and channel arrangement

<Description of the frequency bands and channel arrangement>

5 General test conditions

<Description of the general test conditions>

5.1 Test Environment

<Description of the test environment>

6 Transmitter characteristics

<Description of the transmitter characteristics>

6.1 Frequency stability

<Description of the frequency stability>

6.1.1 Test purpose

<Description of the purpose of the test>

6.1.2 Test case

<Description of the test case>

6.1.3 Conformance requirement

<Description of the conformance requirement>

6.2 Out of band gain

<Description of the out of band gain>

6.2.1 Test purpose

<Description of the purpose of the test>

6.2.2 Test case

<Description of the test case>

6.2.3 Conformance requirement

<Description of the conformance requirement>

6.3 Spurious emissions

<Description of the spurious emissions>

6.3.1 Test purpose

<Description of the purpose of the test>

6.3.2 Test case

<Description of the test case>

6.3.3 Conformance requirement

<Description of the conformance requirement>

6.4 Intermodulation products

<Description of the intermodulation products>

6.4.1 Test purpose

<Description of the purpose of the test>

6.4.2 Test case

<Description of the test case>

6.4.3 Conformance requirement

<Description of the conformance requirement>

6.5 Modulation accuracy

<Description of the modulation accuracy>

6.5.1 Test purpose

<Description of the purpose of the test>

6.5.2 Test case

<Description of the test case>

6.5.3 Conformance requirement

<Description of the conformance requirement>

7 Receiver characteristics

<Description of the receiver characteristics>

7.1 Blocking characteristics

<Description of the blocking characteristics>

7.1.1 Test purpose

<Description of the purpose of the test>

7.1.2 Test case

<Description of the test case>

7.1.3 Conformance requirement

<Description of the conformance requirement>

History

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V0.0.1	2000-05-25	Document R4-000357 "UTRA Repeater; Conformance Testing" with a text suggestion implemented in R4-000503 approved at RAN WG4 #12
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