3GPP TS 36.521-3 V11.4.0 (2014-03)

Technical Specification

3rd Generation Partnership Project;
Evolved Universal Terrestrial Radio Access (E-UTRA);
User Equipment (UE) conformance specification;
Radio transmission and reception;
Part 3: Radio Resource Management (RRM) conformance testing (Release 11)

The present document has been developed within the 3GPP project and may be further elaborated for the purposes of 3GPP. The present document has not been subject to any approval process by the 3GPP Organizational Partners and shall not be implemented. This Specification is provided for future development work within 3GPP only. The Organizational Partners accept no liability for any use of this Specification. Specifications and reports for implementation of the 3GPP system should be obtained via the 3GPP Organizational Partners’ Publications Offices.
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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.

Introduction

The present document is part 3 of a multi-parts TS:


1 Scope

The present document specifies the measurement procedures for the conformance test of the user equipment (UE) that contain requirements for support of RRM (Radio Resource Management) as part of the 3G Long Term Evolution (3G LTE).

The requirements are listed in different clauses only if the corresponding parameters deviate. More generally, tests are only applicable to those mobiles that are intended to support the appropriate functionality. To indicate the circumstances in which tests apply, this is noted in the “test applicability” part of the test.

For example only Release 8 and later UE declared to support LTE shall be tested for this functionality. In the event that for some tests different conditions apply for different releases, this is indicated within the text of the test itself.

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] to [29] (void)


3 Definitions, symbols and abbreviations

Void

4 E-UTRAN RRC_IDLE State Mobility

The requirements of the present document are provided in 3GPP TS 36.521-3 Release 12 [30].

5 to 9 Void

Annex A to J: Void
## Annex K (informative):
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- R5-086149 References to connection diagrams
- R5-086418 LTE RRM Cell Re-Selection text proposal
- R5-086005 Cell configuration reference correction for RRM tests in 36.521-3 section 3A.3
- R5-086419 LTE RRM FDD/FDD Handover for intra/inter frequency text proposal
- R5-086420 E-UTRAN FDD intra-frequency measurements text proposal
- R5-086431 RSRQ Accuracy Measurement Performance Requirements text proposal
- R5-086082 LTE UE Transmit Timing Requirements text proposal
- R5-086422 Text proposal for RSRP measurement accuracy test cases
- R5-086432 E-UTRAN FDD- FDD Inter-Frequency Measurements text proposal
- R5-086142 Measurement Reference Channels and OCNG for RRM testing
- R5-086150 Statistical testing in RRM tests

Editor’s cleanup

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**Release 11**

**3GPP TS 36.521-3 V11.4.0 (2014-03)**
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**Editor’s cleanup:** Updated to v8.0.0 after RAN#44 with no technical change.

**Editor's cleanup:** R5-092443 Addition of band 18 and 19 to LTE RRM test cases.

**Editor’s cleanup:** R5-092445 Addition of band 18 and 19 to LTE RRM test cases.
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Corrections to Conditions for UE Measurements Procedures in Test cases 9.1.1.1 and 9.2.

Uncertainties and Test Tolerances update for Intra RRM: Uncertainties and test tolerances for TCs 9.6.1 and 9.6.2

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Uncertainties and Test Tolerances update for Inter RRM: Uncertainties and test tolerances for TCs 9.1.8.1+9.1.9.1

Correction to new CGI E-UTRA cell search

Correction to RRC Connection Release with Redirection tests

Correction to Monitored UTRA cell list size

Correction to UE Transmit Timing Accuracy

Editors note above 3GHz, clause 8.9

Correction to Time Alignment Timer

Correction to PRACH configuration

CSG cell

Correction of configurations in RSRP TDD absolute and freq RSRP

Correction of configurations in RSRP TDD absolute and freq

Correction of configurations in RSRP TDD absolute and freq

Correction of configurations in RSRP TDD absolute and freq

Correction to new CGI E-UTRA cell with autonomous gaps tests

Correction to new CGI E-UTRA cell with autonomous gaps tests

- Update of Annex E

Correction to Combined E-UTRAN - E-UTRA and GSM cell search

Addition of Band 27 to overlooked sections of TS 36.521-3

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Addition of test cases 7.3.13 and 7.3.15

RRM: Uncertainties and test tolerances for TCs 9.6.1 and 9.6.2

Addition of Chapter 9 RRM test cases for absolute RSRQ accuracy under Time-Domain Measurement Resource Restriction with MBSFN ABS

Addition of test cases 9.1.3.x and 7.3.15

Addition of test cases 7.3.13 and 7.3.15

Addition of TC 7.3.14 E-UTRAN TDD Radio Link Monitoring Test for Out-of-sync under Time Domain Measurement Resource Restriction with MBSFN ABS (eICIC)

Addition of TC 7.3.14 E-UTRAN TDD Radio Link Monitoring Test for In-sync under Time Domain Measurement Resource Restriction with MBSFN ABS (eICIC)

Addition of TC 7.3.16 E-UTRAN TDD Radio Link Monitoring Test for In-sync under Time Domain Measurement Resource Restriction with MBSFN ABS (eICIC)

Addition of test cases 36.521-3

Addition of test cases 36.521-3

Addition of test cases 36.521-3

Addition of test cases 36.521-3

Addition of test cases 36.521-3

Addition of test cases 36.521-3

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Addition of test cases 36.521-3

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