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**Universal Mobile Telecommunications System (UMTS);
High Speed Packet Access (HSPA);
Requirements on User Equipments (UEs)
supporting a release-independent frequency band and
multi-carrier configuration
(3GPP TS 25.327 version 19.0.0 Release 19)**



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Contents

Intellectual Property Rights	2
Legal Notice	2
Modal verbs terminology.....	2
Foreword.....	4
1 Scope	5
2 References	5
3 Definitions, symbols and abbreviations	5
3.1 Definitions	5
3.2 Abbreviations	5
4 DB-DC-HSDPA configurations independent of release	6
4.1 Void.....	6
4.2 Void.....	6
4.3 Void.....	6
5 4C-HSDPA configurations independent of release	6
5.1 Single-band contiguous configurations	6
5.1.1 Void	6
5.1.2 Void	6
5.2 Dual-band configurations	6
5.2.1 Void	6
5.2.2 Void	6
5.2.3 Void	6
5.2.4 Void	6
5.2.5 Void	6
6 8C-HSDPA configurations independent of release	6
Annex A (informative): Change history	7
History	8

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 requirements on UEs supporting a DB-DC-HSDPA, 4C-HSDPA, and 8C-HSDPA configuration that is independent of release. TSG-RAN has agreed that the standardisation of new configurations may be independent of a release. However, in order to implement a UE that conforms to a particular release but supports a configuration that is specified in a later release, it is necessary to specify some extra requirements.

For example, Band I-XI combination for DB-DC-HSDPA (referred to as DB-DC-HSDPA configuration 4 in [2]) is contained in the Release 10 specifications. In order to implement a UE conforming to Release 9 but supporting this configuration, it is necessary for the UE to additionally conform to some parts of the Release 10 specifications, such as the radio frequency and radio resource management requirements for the configuration.

Similarly, 4C-HSDPA configuration I-3 is contained in the Release 11 specification [3]. In order to implement a UE conforming to Release 10, but supporting this configuration, it is necessary for the UE to additionally conform to some parts of the Release 11 specifications.

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] | 3GPP TS 25.101 (Release 10): "User Equipment (UE) radio transmission and reception (FDD)". |
| [3] | 3GPP TS 25.101 (Release 11): "User Equipment (UE) radio transmission and reception (FDD)". |
| [4] | Void |
| [5] | Void |

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].

3.2 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

DB-DC-HSDPA	Dual Band Dual Cell HSDPA
4C-HSDPA	Four-carrier HSDPA
8C-HSDPA	Eight-carrier HSDPA

4 DB-DC-HSDPA configurations independent of release

4.1 Void

4.2 Void

4.3 Void

5 4C-HSDPA configurations independent of release

5.1 Single-band contiguous configurations

5.1.1 Void

5.1.2 Void

5.2 Dual-band configurations

5.2.1 Void

5.2.2 Void

5.2.3 Void

5.2.4 Void

5.2.5 Void

6 8C-HSDPA configurations independent of release

Annex A (informative): Change history

Change history							
Date	TSG #	TSG Doc.	CR	Rev	Cat	Subject/Comment	New version
2013-11						Skeleton report based on 25.317 contents	1.0.0
2013-12	RP-62	RP-131629				TS 25.327 approved by RAN #62	9.0.0
	RP-62	RP-131980	0002	1		Introduction of TS 25.327	11.0.0
2014-03	RP-63	-	-	-		Introduction of TS 25.327 REL-12	12.0.0
2014-06	RP-64	RP-140872	0009	-		Introduction of the new band combinations related to Band XXXII	12.1.0
2015-12	RP-70	-	-	-		Upgrade to the Release 13 - no technical change	13.0.0
2017-03	RP-75	-	-	-		Upgrade to Release 14 - no technical change	14.0.0
2018-06	RP-80					Upgrade to Release 15 - no technical change	15.0.0
2020-07	RP-88e	-	-	-	-	Upgrade to Rel-16 version without technical change	16.0.0
2022-03	RP-95e	-	-	-	-	Upgrade to Rel-17 version without technical change	17.0.0
2024-03	RP-103	-	-	-	-	Upgrade to Rel-18 version without technical change	18.0.0
2025-09	RP-109	-	-	-	-	Upgrade to Rel-19 version without technical change	19.0.0

History

Document history		
V19.0.0	October 2025	Publication