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Technical Specification

3rd Generation Partnership Project;

Technical Specification Group Radio Access Network;

UTRAN Iuant Interface: Application Part

(Release 16)

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# Foreword

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

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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

See TS 37.466 [5].

# 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]-[4] Void.

[5] 3GPP TS 37.466: "Iuant interface: Application part".

# 3 to 7 Void

# 8 Iuant interface: Application part

See TS 37.466 [5].

Annex A to F:  
Void

Annex G (informative):  
Change History

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TSG #** | **TSG Doc.** | **CR** | **Rev** | **Subject/Comment** | **New** |
| 09/2007 | - | - | - | Creation of Rel-8 version based on v7.2.0 | 8.0.0 |
| 37 | RP-070576 | 0013 |  | Introduction of UMTS1500 requirement | 8.0.0 |
| 38 | RP-070838 | 0015 |  | Missing Parameter for "TMA Get Supported Non-Linear Gain Values" | 8.1.0 |
| 39 | RP-080082 | 0016 |  | Introduction of UMTS 700 MHz (Bands XII XIV) in 25.466 | 8.2.0 |
| 43 | RP-090085 | 0017 | 1 | RET and TMA support in LTE | 8.3.0 |
| 09/2009 | - | - | - | Creation of Rel-9 version based on v8.3.0 |  |
| 45 | RP-090782 | 0022 |  | Introduction of new antenna operating bands in IuantAP | 9.0.0 |
| 46 | RP-091185 | 0023 | 1 | Introduction of Extended UMTS/LTE1500 requirements for TS25.466 | 9.1.0 |
| 47 | RP-100223 | 0024 | 1 | Introduction of UMTS/LTE in 800 MHz for Europe requirements in TS 25.466 | 9.2.0 |
| 09/2010 | - | - | - | Creation of Rel-10 version based on v9.2.0 | 10.0.0 |
| 49 | RP-100912 | 0025 |  | Spectrum band definition additions for TDD 2600 MHz | 10.0.0 |
| 50 | RP-101184 | 0026 | 1 | Introduction of L-band in TS 25.466 | 10.1.0 |
| 50 | RP-101278 | 0028 | 1 | CR UMTS/LTE-3500 spectrum band definition additions for TDD Iuant interface to TS 25.466 | 10.1.0 |
| SP-49 | SP-100629 |  |  | Clarification on the use of References (TS 21.801 CR#0030) | 10.1.1 |
| 52 | RP-110699 | 0036 |  | Add 2 GHz band LTE for ATC of MSS in North America to TS25.466 (Rel-10) | 10.2.0 |
| 52 | RP-110696 | 0037 |  | Add Expanded 1900 MHz Band for UTRA and LTE to TS25.466 (Rel-10) | 10.2.0 |
| 52 | RP-110685 | 0039 |  | Removal of unused references | 10.2.0 |
| 54 | RP-111733 | 0042 |  | Removal of references to operating bands i) and h) | 10.3.0 |
| 03/2012 |  |  |  | Creation of Rel-11 version based on v10.3.0 |  |
| 55 | RP-120266 | 0044 | 2 | Addition of new Band 26 for E850 | 11.0.0 |
| 56 | RP-120749 | 0045 | 1 | Introduction of E850\_LB Band 27 to TS 25.466 | 11.1.0 |
| 56 | RP-120750 | 0046 | - | Introduction of LTE band for 700 MHz digital dividend | 11.1.0 |
| 56 | RP-120750 | 0047 | - | Introduction of TDD band for 700 MHz digital dividend | 11.1.0 |
| 57 | RP-121140 | 0048 | 1 | Operating bands Numbering for UTRA and EUTRA | 11.2.0 |
| 58 | RP-121736 | 0049 | - | Introduction of band 22 in TS 25.466 | 11.3.0 |
| 58 | RP-121735 | 0050 | 1 | Introduction of Band 29 into TS 25.466 | 11.3.0 |
| 62 | RP-131903 | 0051 | 1 | Introduction of LTE 450 MHZ | 12.0.0 |
| 62 | RP-131904 | 0052 | 1 | Introduction of Band 30 | 12.0.0 |
| 64 | RP-140900 | 0054 | 2 | Introduction of L-band for Supplemental Downlink in E-UTRA and UTRA | 12.1.0 |
| 67 | RP-150356 | 0055 | 1 | Correction of the reference | 12.2.0 |
| 70 | RP-152107 | 0056 | 2 | Introduction of band 45 in 25.466 | 13.0.0 |
| 70 | RP-152108 | 0057 | - | Extension of operating bands field | 13.0.0 |
| 70 | RP-152105 | 0058 | - | Introduction of band 65 | 13.0.0 |
| 70 | RP-152106 | 0059 | - | Introduction of band 66 | 13.0.0 |
| 70 | RP-152104 | 0060 | - | Introduction of band 67 | 13.0.0 |
| 71 | RP-160446 | 0061 | - | Introduction of Band 68 into 25.466 | 13.1.0 |
| 71 | RP-160450 | 0062 | 1 | Introduction of Band 46 in TS 25.466 | 13.1.0 |
| 06/2016 |  |  |  | Creation of Rel-14 version based on v13.1.0 | 14.0.0 |
| 72 | RP-161040 | 0063 | 1 | Introduction of band 70 | 14.0.0 |
| 72 | RP-161041 | 0064 | 1 | Introduction of 2.6GHz SDL band | 14.0.0 |
| 74 | RP-162335 | 0066 | - | Introduction of band 48 | 14.1.0 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Change history** | | | | | | | |
| **Date** | **Meeting** | **TDoc** | **CR** | **Rev** | **Cat** | **Subject/Comment** | **New version** |
| 09/2017 | RP-77 | RP-171982 | 0072 | - | A | Correction to make band extensions applicable also for TMAAP | 14.2.0 |
| 09/2017 | RP-77 | RP-171976 | 0068 | 1 | B | Introduction of Band 72 | 15.0.0 |
| 09/2017 | RP-77 | RP-171978 | 0070 | 1 | B | Introduction of the TDD L-band(Band 50 and Band 51) | 15.0.0 |
| 09/2017 | RP-77 | RP-171980 | 0074 |  | B | Introduction of Band 71 | 15.0.0 |
| 09/2017 | RP-77 | RP-171977 | 0076 | 1 | B | Introduction of Band 74 | 15.0.0 |
| 09/2017 | RP-77 | RP-171979 | 0077 | 1 | B | Introduction of Band 75 and 76 | 15.0.0 |
| 12/2017 | RP-78 | RP-172675 | 0067 | 2 | B | CR to 25.466: Introduction of Band 49 (3.5 GHz LAA in US ) | 15.1.0 |
| 12/2017 | RP-78 | RP-172711 | 0078 | - | B | Introduction of Band 73 | 15.1.0 |
| 03/2018 | RP-79 | RP-180471 | 0079 | 1 | B | Introduction of band 85 | 15.2.0 |
| 03/2018 | RP-79 | RP-180470 | 0080 | 1 | B | Introduction of the TDD 3.3-3.4GHz band (Band 52) | 15.2.0 |
| 12/2018 | RP-82 | RP-182447 | 0081 | 1 | F | Antenna Interface Function support | 15.3.0 |
| 2019-04 | RAN#83 | RP-190557 | 0089 | - | F | Transfer of Iuant interface specification from 25-series to 37-series | 15.4.0 |
| 2020-07 | SA#88-e | - | - | - | - | Update to Rel-16 version (MCC) | 16.0.0 |