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LTE;
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Multi-Standard Radio (MSR) Base Station (BS)
conformance testing
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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

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- x the first digit:
 - 1 presented to TSG for information;
 - 2 presented to TSG for approval;
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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

The present document specifies the Radio Frequency (RF) test methods and conformance requirements for E-UTRA, UTRA, GSM/EDGE and NB-IoT Multi-Standard Radio (MSR) Base Station (BS). These have been derived from, and are consistent with the E-UTRA, UTRA, GSM/EDGE and NB-IoT MSR BS specification defined in [2].

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 37.104: "E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) radio transmission and reception".
- [3] 3GPP TS 25.104: "Base Station (BS) radio transmission and reception (FDD) ".
- [4] 3GPP TS 25.105: "Base Station (BS) radio transmission and reception (TDD) ".
- [5] 3GPP TS 36.104: "Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception".
- [6] 3GPP TS 45.005: "Radio transmission and reception".
- [7] ITU-R Recommendation M.1545, "Measurement uncertainty as it applies to test limits for the terrestrial component of International Mobile Telecommunications-2000".
- [8] "Title 47 of the Code of Federal Regulations (CFR)", Federal Communications Commission.
- [9] 3GPP TS 36.141: "Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) conformance testing".
- [10] 3GPP TS 25.141: "Base Station (BS) conformance testing (FDD) ".
- [11] 3GPP TS 51.021: "Base Station System (BSS) equipment specification; Radio aspects".
- [12] 3GPP TS 25.142: "Base Station (BS) conformance testing (TDD) ".
- [13] Recommendation ITU-R SM.329-10, "Unwanted emissions in the spurious domain".
- [14] 3GPP TR 25.942: "Radio Frequency (RF) system scenarios".
- [15] ITU-R recommendation SM.328: "Spectra and bandwidth of emissions".
- [16] IEC 60721: "Classification of environmental conditions".
- [17] IEC 60721-3-3: "Classification of environmental conditions - Part 3-3: Classification of groups of environmental parameters and their severities - Stationary use at weather protected locations".
- [18] IEC 60721-3-4: "Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 4: Stationary use at non-weather protected locations".