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1 Scope

This document establishes the minimum RF characteristics of all three options of the TDD mode of UTRA. The three options are the 3.84 Mcps, 1.28 Mcps and 7.68 Mcps options respectively. The requirements are listed in different subsections only if the parameters deviate.

2 References

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[1] ITU-R Recommendation SM.329: "Unwanted emissions in the spurious domain".

[2] ETSI ETR 273-1-2: "Electromagnetic compatibility and Radio spectrum Matters (ERM); Improvement of radiated methods of measurement (using test sites) and evaluation of the corresponding measurement uncertainties; Part 1: Uncertainties in the measurement of mobile radio equipment characteristics; Sub-part 2: Examples and annexes".

[3] IEC 60721-3-3 (1994): "Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 3: Stationary use at weather protected locations".

[4] IEC 60721-3-4 (1995): "Classification of environmental conditions - Part 3: Classification of groups of environmental parameters and their severities - Section 4: Stationary use at non-weather protected locations".

[5] 3GPP TS 25.142: "Base station conformance testing (TDD)".

[6] 3GPP TS 25.346: "Introduction of the Multimedia Broadcast/Multicast Service (MBMS) in the Radio Access Network (RAN)".

[7] 3GPP TS 36.104: "Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception".

[8] 3GPP TR 25.942 "Radio Frequency RF System Scenarios".

3 Definitions, symbols and abbreviations

3.1 Definitions

For the purposes of the present document, the following definitions apply.

Base Station RF bandwidth: The bandwidth in which a Base Station simultaneously transmits and simultaneously receives multiple carriers within each supported operating band.

Base Station RF bandwidth edge: The frequency of one of the edges of the Base Station RF bandwidth.

Power Spectral Density: The units of Power Spectral Density (PSD) are extensively used in this document. PSD is a function of power versus frequency and when integrated across a given bandwidth, the function represents the mean