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**Reconfigurable Radio Systems (RRS);
System requirements for operation of Mobile Broadband
Systems in the 2 300 MHz - 2 400 MHz band under
Licensed Shared Access (LSA)**

Reference

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Foreword

This Technical Specification (TS) has been produced by ETSI Technical Committee Reconfigurable Radio Systems (RRS).

Modal verbs terminology

In the present document "**shall**", "**shall not**", "**should**", "**should not**", "**may**", "**may not**", "**need**", "**need not**", "**will**", "**will not**", "**can**" and "**cannot**" are to be interpreted as described in clause 3.2 of the [ETSI Drafting Rules](#) (Verbal forms for the expression of provisions).

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1 Scope

The present document defines system requirements for operation of mobile broadband service in the 2 300 - 2 400 MHz band under Licensed Shared Access (LSA). This band is allocated to the Mobile Service and identified for IMT globally in the ITU Radio Regulations. The objective of LSA is to enable access to this band for mobile/fixed communication networks (MFCNs) in those CEPT countries where access to the band is complex due to Incumbent usage, as documented in ETSI TR 103 113 [i.1] (for example, when it is not viable to "refarm" the band in a timely manner [i.2]).

An LSA system comprises one or more Incumbents, one or more MFCNs (LSA Licensees), and the means to enable coordination between Incumbents and LSA Licensees, such that the latter may deploy their networks without harmful interference. The requirements in the present document are intended as a first step towards the definition of LSA System architecture specifications.

2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <http://docbox.etsi.org/Reference>.

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2.1 Normative references

The following referenced documents are necessary for the application of the present document.

Not applicable.

2.2 Informative references

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

- [i.1] ETSI TR 103 113 (V1.1.1): "Electromagnetic compatibility and Radio spectrum Matters (ERM); System Reference document (SRdoc); Mobile broadband services in the 2 300 MHz - 2 400 MHz frequency band under Licensed Shared Access regime".
- [i.2] ECC Report 205: "Licensed Shared Access (LSA)", February 2014.
- [i.3] RSPG Opinion on Licensed Shared Access, RSPG13-538, November 2013.

3 Definitions and abbreviations

3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

exclusion zone: geographical area within which LSA Licensees are not allowed to have active radio transmitters

NOTE: An exclusion zone is normally applicable for a defined frequency range and time period.