

Simulating Network Coexistence of NR-U and IEEE 802.11ax in ns-3

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In this position paper, CTTC and University of Washington provide a status update regarding new protocol stacks for end-to-end and multi-RAT scenario simulations in the open source network simulator ns-3 (www.nsnam.org). Specifically, the recent advances enable network performance evaluation research in the emergent areas of 5G NR-U and IEEE802.11ax coexistence in unlicensed band. The work relies on previous open contributions of the two partners in the area of NR and IEEE802.11, respectively, among a long track of successful collaborations in the areas of LTE-LAA, and LTE for Public Safety.

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