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## The Over-the-Air facilities at Fraunhofer's FORTE

Abstract - The Fraunhofer Institute for Integrated Systems (IIS) has established FORTE (Facility for Over-the-Air research and Testing) in Ilmenau, in cooperation with TU Ilmenau. In this paper, its two OTA facilities are presented to COST IRACON EWG IoT in connection with the stand-alone LTE-network. The OTA facilities comprise the virtual electromagnetic environment for test objects up to the size of small cars in the frequency band of about 800 to 6000 GHz and the virtual satellite test range in Ka and Ku band for SatCom-on-the-Move and LTE-over-Sat.

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