

Title: Stockholm Communications 5g base station detection

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This study extends ongoing work measuring environmental exposure to radiofrequency (RF) radiation in the region, now including 5G alongside previous telecommunications generations.

In this paper, we design and build an anomaly detection system to detect such active injection threats to the victim user equipment's availability. Our detection scheme ...

Emulating real-world 5G conditions, we implement a functional split in the 5G base station and deploy the False Base Station Detection Function (FDF) as a 5G NF (Network Function) within ...

However, in the event of network vulnerabilities leading to the failure of the detection system, this work presents a mitigation strategy aimed at preventing the UE from ...

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