Base station communication tower detection

Rogue base stations have the potential to pose as a significant threat to users of mobile networks by enabling attackers to monitor user locations through techniques such as presence ...

We research and expose the baseband interface on recent iPhones for Intel and Qualcomm chips to detect attacks. We integrate these findings into a user-friendly app called CellGuard. Detection even ...

Detecting false base stations in mobile networks - the framework and describes some practical experiments we have performed in our lab

We designed and built a defense scheme which detects and blacklists a fake base station and then, informed by the detection, avoids it through link routing for connectivity availability.

Rogue base stations, also known as international mobile subscriber identity (IMSI) catchers, are devices that masquerade as cell phone towers, tricking cell phones within a certain radius into connecting to ...

Fake base stations pose a serious and growing threat to mobile users worldwide by impersonating legitimate cellular towers to steal private information.

Fake base stations pose a serious threat to mobile users worldwide by impersonating legitimate cellular towers to intercept private information. But the solution developed by Prof. ...

These malicious devices mimic legitimate cell towers to intercept mobile communications, track user location, and sometimes even inject harmful content. Detecting these rogue devices in real ...

Recent work: researchers at Purdue CS showed high-quality datasets could be used to detect fake base stations in cellular networks using machine learning algorithms. We rely on cellular ...

In a groundbreaking study from Purdue University, researchers have developed an innovative detection solution known as FBSDetector, designed to identify fake base stations (FBSes) ...

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