

Open Source Communications and Base Station Equipment

What can you do with a base station?

There's plenty of fun things you could achieve with such a base station: reverse-engineering of proprietary technology, security research, and probing for vulnerabilities through WWAN interfaces rarely considered as an attack surface. Maybe you could even set up your own cell network -- if you ever go sailing in neutral waters, that is.

How many base stations are there in the Internet dataset?

The dataset, provided by Shanghai Telecom, contains more than 7.2 million records of accessing the Internet through 3,233 base stations from 9,481 mobile phones for six months. For example, the following figure shows the distribution of base stations. Each node denotes a base station in Shanghai, China.

Are 2G base stations still useful?

We've generally seen 2G base stations over the years, but with the sunset of 2G, those have only been useful in an increasingly low number of countries, and, every once in a while, a hacker camp. Need to debug your DIY network at some point?

In contrast, the open-source RISC-V Instruction Set Architecture (ISA) supports customizable vector lengths, facilitating the design of specialized vector processors tailored for ...

To assemble a UAV base station, we need the following: One SDR radio device. SDR (Software Defined Radio) is a piece of radio equipment that uses general-purpose processors for signal ...

Still struggling with temperature control for your base station equipment? the kehengao wea-1500 base station air conditioner is specifically designed for base stations with ...

PacketRusher is an open-source tool dedicated to the performance testing and automatic validation of 5G Core Networks using simulated UE (user equipment) and gNodeB (5G base ...

LTEENB allows to build a real 4G LTE / 5G NR base station (called an eNodeB (4G) or gNodeB (5G)) using a standard PC and a low cost software radio frontend. All the ...

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We've seen quite a few DIY 2G networks over the years, but the 4G field has been relatively barren. Turns out, there's an open source suite called srsRAN that lets you use an ...

telecom_dataset About Telecom Dataset The dataset, provided by Shanghai Telecom, contains more than 7.2 million records of accessing the Internet through 3,233 base ...

System principle: Using LW-USRP/SDR-LW software radio hardware, combined with srsRAN, OpenAirInterface5g and other software platforms, to achieve the construction of 4G/5G analog ...

Research into small-scale LTE/5G base stations using open-source platforms and SDR hardware is transforming wireless communication development. Traditional base station ...

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Web: <https://iambulancias.es>