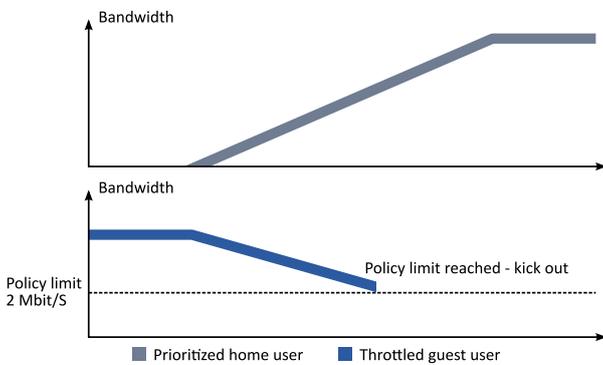# MOBILE
SDWN App powered by **anyFi.net**

Carrier Wi-Fi That Just Works

SPARE CAPACITY ONLY

Mobile clients are instantly throttled as the spare capacity varies to make sure there is no negative impact for the home user

Bandwidth

Bandwidth

Policy limit reached - kick out

Policy limit 2 Mbit/S

■ Prioritized home user　■ Throttled guest user

SPECTRUM-AWARE TRAFFIC PRIORITIZATION

Mobile clients on weak links are actively throttled down to prevent radio spectrum congestion

Bandwidth usage

Airtime allocation

Reserved

Reserved

■ Prioritized home user
■ Guest user with weak signal

■ Guest user with strong signal
■ Guest user with weak signal

WITH GREAT POWER COMES GREAT RESPONSIBILITY

Mobile operators have an ace up their sleeve when it comes to carrier Wi-Fi: they can authenticate devices seamlessly using the SIM card.
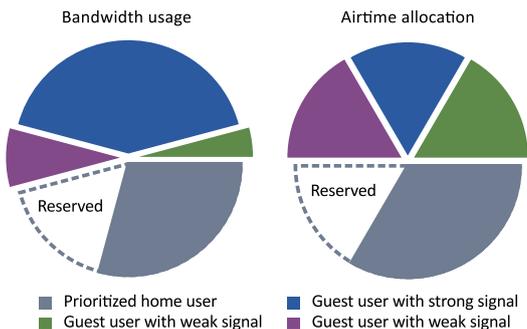
But with great power comes great responsibility. Mobile subscribers won't be grateful if you switch them from a perfect 3G connection to an overloaded Wi-Fi access point or residential gateway on the other end of the block.

RADIO POLICY CONTROL IS KEY TO QUALITY OF EXPERIENCE

An SDWN-based mobile offload solution with radio policy control lets you selectively target for offload only those devices that can support a high quality Wi-Fi user experience. This will make you think of carrier Wi-Fi quality assurance in a whole new way: it's not the access point that's carrier grade – every potential session has to be individually classified. Set minimum requirements on radio signal quality and available bandwidth, and you'll quickly see that the cheapest residential gateway can deliver sessions unmatched in quality by the most expensive access point.

Anyfi Networks
Carrier Wi-Fi That Just Works

MOBILE

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TRANSFORM RESIDENTIAL GATEWAYS INTO A TRUSTED NON-3GPP ACCESS

MOBILE lets an MNO or MVNO offload mobile data onto existing residential gateways, with authentication directly against the SIM card and end-to-end IEEE 802.11 security all the way from the mobile device to a trusted location on your network.

This means that even untrusted residential gateways can be integrated into a mobile network as a "trusted non-3GPP access" and that mobile data can be securely offloaded without the investment or complexity of femtocells. Indoor quality of service is improved and unnecessary cell load is prevented.

MOBILE requires no additional client side software; from the device point of view it is all standard Wi-Fi with EAP-SIM/AKA authentication. Handover between access points is both fast and seamless. Advanced traffic prioritization protects the home user's experience and radio policy control ensures that devices are only offloaded when Wi-Fi can provide sufficient quality of service.

In short; clientless, secure and always best connected, with full traffic traceability and lawful intercept compliance.

KEY FEATURES:

Advanced Traffic Prioritization
The software throttles mobile devices to ensure that the residential subscriber's traffic is prioritized.
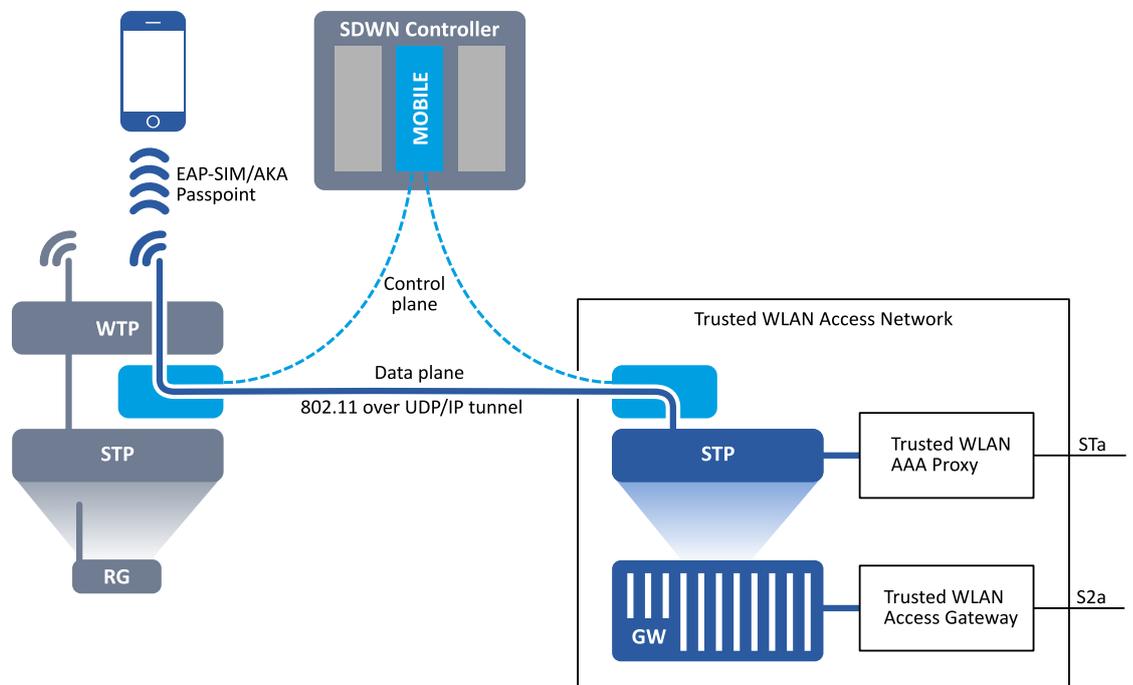
Quality of Experience Management
Mobile devices are only offloaded when Wi-Fi can support a high quality user experience.

End-to-End IEEE 802.11 Security
The standard IEEE 802.11 security mechanism protects the connection end-to-end; all the way from the mobile device to your trusted network.

Zero Sign-On
No manual intervention by the mobile subscriber is needed since the SIM card is used for authentication.

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Carrier Wi-Fi That Just Works