



Botswana MicroTeck

Maximize the value of VIP subscribers



LTE-U



Fiber-like Wireless Access

Innovative LTE-U technology

Differentiation Users Group

MicroTeck started as an ISP in 2005. The company was situated among the first ISPs to sell Broadband Internet via ADSL & shared frequency Wireless Access, similar to what other ISPs are currently using. They are awarded a spectrum by the Botswana Communications Regulatory Authority (Bocra) in a competitive bid (2010). After that they developer their 4th Generation (4G) broadband wireless network using WiMAX now has coverage throughout Botswana.

Business Strategies

MicroTeck has been running Wimax network for years. However, considering future wireless network evolution, MicroTeck has to transform their network into LTE and develop LTE business. For the moment, MicroTeck has more than thousands of subscribers, among which, 20% are VIP subscribers (Enterprise customers, high APRU individuals) and they are contributing around 80% annual revenue. Based on the fact, MicroTeck plans to differentiate users into different groups and guarantee higher data rate and better user experience for VIP users.

Solution and Products

- Software Defined EPC
- Qos
- PCRF
- Integrated eNB (LTE/LTE-U)
- Layer 2 VNP



LTE-U eNB



Highlights:

Fiber-like Wireless Access

According to 2/8 principle, MicroTeck decided to provide better services to VIP users. For high-end residential districts, where most of VIP users are gathering, MicroTeck planned to offer Fiber-like wireless access rate, more than 100Mbps. And the business goal will realize through WTTx model with integrated Small cells based on LTE-U.

Innovative LTE-U Technology

Baicells is one of the first vendors who have developed and designed LTE-U products & solutions. MicroTeck intended to make use of LTE-U to provide 100Mbps Internet broadband service to high value users. Spectrum is limited in any country and is precious for any telecom operators. MicroTeck has acquired spectrum of Band 42, but considering future LTE network transformation, LTE-U is a necessary and important technology for them, getting rid of frequency resource limit.

Differentiation User Groups

In order to maximize network resource efficiency and get higher revenue from subscriber, MicroTeck divided users into different grades and offer different user experience and various packages. With Baicells Qos, MicroTeck VIP users come to the first at peak rate. And Baicells PCRF allows MicroTeck to set different charging polices according to the periods and data traffic used.

Future Growth

MicroTeck has shown great interest for LTE-U. With the maturity of wireless technology and openness of local spectrum policy, MircoTeck would deploy a nationwide LTE-U in Botswana.