Abstract

This Paper aims to study VAMOS Hardware Efficiency for different quality setting and fixing all other parameters in live network in Asia cell Telecommunication Company in Baghdad, check the impact of VAMOS activation in all major KPI (Key Prediction Indicators) and choose the better setting with minimum KPI degradation.

References

- Ericsson white paper "DOUBLE GSM VOICE CAPACITY", www. Ericsson.com, July 2010
- Jyrki T. J. Penttinen1, Francesco Calabrese1, Kari Niemelä2, David Valerdi, Maria Pilar Molina "Performance Model for Orthogonal Sub Channel in Noise-limited Environment"; Sixth International Conference on Wireless and Mobile Communications
Adopting Different Quality Parameter Settings to increase GSM Voice Capacity by using Voice Service over Adaptive Multi-user Channels on One Slot (VAMOS) in Asiacell in Baghdad Network

2010

D. Molteni, M. Nicoli, M. Säily “Resource Allocation Algorithm for GSM-OSC Cellular Systems”; This full text paper was peer reviewed at the direction of IEEE Communications Society subject matter experts for publication in the IEEE ICC 2011 proceedings, 2011.


Huawei Technologies Library “VAMOS Deployment Guide (GBSS R13)”; Huawei Technologies Co., Ltd. 2011

Huawei Technologies Library “Half-Rate Service Feature Parameter Description”; Huawei Technologies Co., Ltd. 2011

Huawei Technologies Library “Channel Management Feature Parameter Description”; Huawei Technologies Co., Ltd. 2011

Huawei Technologies Library “Handover Feature Parameter Description”; Huawei Technologies Co., Ltd. 2011

Huawei Technologies Library “Power Control Feature Parameter Description”; Huawei Technologies Co., Ltd. 2011

Huawei Technologies Library “BSC6900 Feature List”; Huawei Technologies Co., Ltd. 2011

Huawei Technologies Library “BSC6900 Optional Feature Description”; Huawei Technologies Co., Ltd. 2011

Huawei Technologies Library “BSC6900 GSM Parameter Reference”; Huawei Technologies Co., Ltd. 2011


Index Terms

Computer Science

Communication Systems

Keywords

GSM  OSC  VAMOS  QPSK