

## MOBILE BROADBAND SPEED AND DATA VOLUME ANALYSIS

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### ABSTRACT

This work carries out mobile broadband speed and data volume analysis of three GSM service providers (MTN, GLO and AIRTEL) in Okada, Edo State of Nigeria. The download and upload speeds as well as the data volume were investigated under certain conditions. The modems for the three different GSM Networks were made available while a software (NETWORX) was used to monitor the traffic. The data and graphical representation of each of the service provider's speed and data volume was presented over a period of time. A critical analysis of the data and graphs showed that MTN network provides better service irrespective of the condition followed by GLOBACOM and AIRTEL networks in Okada town.

**KEYWORDS:** GSM, Broadband, Download, Upload, Bandwidth, Modem, Data, Speed