## The Nelson Mandela AFrican Institution of Science and Technology

**NM-AIST Repository** 

https://dspace.mm-aist.ac.tz

Computational and Communication Science Engineering

Research Articles [CoCSE]

2014-07

## Radiation Safety of handheld mobile phones

Michael, Kisangiri

**IEEE** 

https://doi.org/10.1109/SCAT.2014.7055148

Provided with love from The Nelson Mandela African Institution of Science and Technology

## Radiation Safety of handheld mobile phones

Kisangiri Michael

DOI: 10.1109/SCAT.2014.7055148

## Abstract:

The study of electromagnetic radiation from mobile phone antenna towards human head is presented in this paper. The simulation of radiation emission of Dual band PIFA for GSM and Quadrifillar Helix Antenna for satellite communication showing their radiation intensity and adoption of CELNEC standard for the human safety will be demonstrated.