ADOPTION PROPOSAL FORM

CPR183/F12

KENYA BUREAU OF STANDARDS

Title:	**IEC/IEEE 63195-2:2022**, Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 1: Measurement procedure	
Document Type:	**Adoption proposal**	
Dates:	Circulation date	Closing date
	2022-10-17	2022-11-17
TC Secretary	**This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Zacheus Mwatha (zimwatha@kebs.org)**	

The Kenya Bureau of Standards intends to adopt the International Standard as detailed here below

Number: IEC/IEEE 63195-1:2022 (info_iecieee63195-2{ed1.0}b.pdf)

Title: *Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 2: Computational procedure*

Scope: *IEC/IEEE 63195-2:2022 specifies computational procedures for conservative and reproducible computations of power density (PD) incident to a human head or body due to radio-frequency (RF) electromagnetic field (EMF) transmitting devices. The computational procedures described are finite-difference time-domain (FDTD) and finite element methods (FEM), which are computational techniques that can be used to determine electromagnetic quantities by solving Maxwell's equations within a specified computational uncertainty. The procedures specified here apply to exposure assessments for a significant majority of the population during the use of hand-held and body-worn RF transmitting devices. The methods apply to devices that can feature single or multiple transmitters or antennas, and that can be operated with their radiating part or parts at distances up to 200 mm from a human head or body.*

This document can be employed to determine conformity with any applicable maximum PD requirements of different types of RF transmitting devices used in close proximity to the head and body, including those combined with other RF transmitting or non-transmitting devices or accessories (e.g. belt-clip), or embedded in garments. The overall applicable frequency range of these protocols and procedures is from 6 GHz to 300 GHz.

The RF transmitting device categories covered in this document include but are not limited to mobile telephones, radio transmitters in personal computers, desktop and laptop devices, and multi-band and multi-antenna devices.

The procedures of this document do not apply to PD assessment of electromagnetic fields emitted or altered by devices or objects intended to be implanted in the body.

NOTE For the assessment of the combined exposure from simultaneous transmitters at frequencies below 6 GHz, the relevant standards for SAR computation are IEC/IEEE 62704-1:2017 and IEC/IEEE 62704-4:2020.

We are therefore seeking views from potential users in respect of the same. The Standard is available at the Kenya Bureau of Standards Information Centre. Please tick and fill your preference of the listed option. (If the spaces provided are not enough, please use the attached template).

Adoption acceptable as presented

.....

.....

Adoption proposal not acceptable because of the reason(s) below

.....

.....

Our Recommendations are as follows

.....

.....

Name and Signature (of respondent): .....

Position (of respondent): .....

On behalf of ..... (Name of organization)

Date .....

NOTE: Absence of any reply or comments shall be deemed to be an acceptance of the proposal for adoption and **shall constitute an approval vote**.

COMMENTS

CPR 183/F12

Title:	**IEC/IEEE 63195-2:2022**, Assessment of power density of human exposure to radio frequency fields from wireless devices in close proximity to the head and body (frequency range of 6 GHz to 300 GHz) - Part 1: Measurement procedure	
Document Type:	Adoption Proposal	
Dates:	Circulation date	Closing date
	2022-10-17	2022-11-17
Recipient	**This form shall be filled, signed and returned to Kenya Bureau of Standards for the attention of Zacheus Mwatha (zimwatha@kebs.org)**	

Organization	Clause	Paragraph/ Figure/Table	Type of comment (General/Technical /Editorial)	COMMENTS	Proposed Change	TC Observation(s)