List of changes (and improvements) performed to the research-paper included in the Proceedings of 24-th IMEKO TC-4 Symposium, Palermo, Italy, September 2020

https://www.imeko.org/publications/tc4-2020/IMEKO-TC4-2020-82.pdf

In essence, this paper submitted for publication to Acta Imeko, supplementary presents and interprets two sets of measurements, targeting the same parameters as for the Huawei 2018 model, (as they were provided in the paper included in 24-th IMEKO TC 4 Proceedings) but performed for 2 older generation mobile phones: NOKIA 2330c-2 and SAMSUNG GT-S6102 respectively.

The SAR parameter determinations for these three representative (for their generation) types of mobile phones have been compared. Thus, useful conclusions could be drawn.

1. The title of the paper has been changed. („Multilayer Case Influence upon SAR Evaluation” in Palermo IMEKO TC 4 Proceedings, “Experimental study on reducing SAR from cell phones”, submission to ACTA IMEKO)
2. The paper has been extended from 3170 to 4029 words, providing additional details on the studies performed.
3. The introduction has been significantly changed. Some overly general statements were abandoned, the dynamic nature of the IEEE Standard 1528 was emphasized (according to the determinations reported in this paper), in correlation with the standards and guidelines in force in EU and USA.
4. Three new tables have been introduced: Tables II and III, which summarizes the SAR determination performed for Nokia and Samsung phones, respectively, along with Table IV which shows the comparative ratio between these SAR values.
5. Two new Figures have been introduced, (Figures 5 and 6), representing the OpenSAR software in 2D graphical representation for Surface (and Volume, respectively) SAR values for Huawei, Samsung and Nokia mobile phones, assuming a representative scenario: 897.59 MHz, Left – Cheek position.
6. The conclusions have been considerably extended, with particular emphasis on the value of using the results obtained, including a concrete set of recommendations addressed to mobile phone users in order to reduce the associated SAR.
7. The order of the first 3 authors has been changed, according to their contribution to the improvement of the Acta Imeko submitted paper.