
Conference List

|| APCC ||

|| APNOMS ||

|| APSITT ||

|| EMC ||

|| EMC Sapporo & APEMC 2019 ||

|| EMTS ||

|| EXAT ||

|| ICETC ||

|| ICTF ||

|| ISAP ||

|| ISITA ||

|| ITC-CSCC ||

|| NOLTA ||

|| OECC-IOOC ||

|| SISA ||

|| WCSIT ||

Masimo Ex. 2024
Apple v. Masimo
IPR2020-01714

ConferenceList

International Technical Conference on Circuits/Systems, Computers and Communications

2008

Session Number:P1

Session:

Number:P1-32

Measurement Site and Applied Pressure Consideration in Wrist Photoplethysmography

Eun Geun Kim, Hyun Heo, Ki Chang Nam, Young Huh,

pp.-

Publication Date:2008/7/7

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Summary:

The objective of this study is to describe preliminary evaluation of a new optical reflectance sensor module with air pressure cuff. In order to improve PPG signals from the wrist as an example of wearable PPG, the optical reflectance sensor module includes two identical photodiodes and a pair of red and infrared LED. The sensor module was packaged inside of a cuff to demonstrate the effects of pressure applied to reflectance probe at the radial artery in the wrist. PPG signals with large amplitude were measured when the induced cuff pressure was close to mean blood pressure. This result will be applied to development of a wrist type healthcare device.

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